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Part Number:

0471519001

Status:

Active

Overview:

high_definition_multimedia_interface_hdmi

Description:

0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Through Hole Shell Tab Length 1.80mm (.071"), Contact 0.76µm (30µ") Gold (Au) Plating, withFlange and Back Cover, Beveled Metal Pins, Tray Packaging, Black Housing, 19 Circuits, Lead Free

Documents:

3D Model

Drawing (PDF)

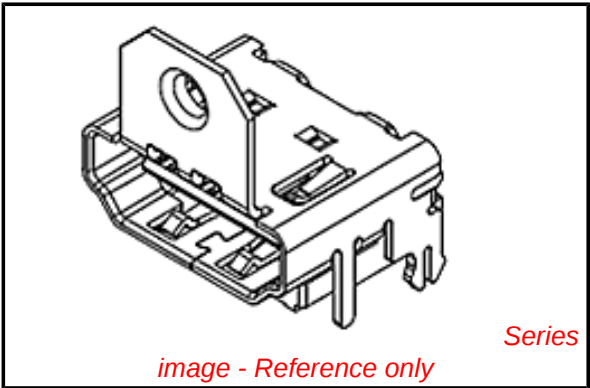
Product Specification PS-47152-001 (PDF)

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)	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	
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 HDMIAdapter

Voltage - Maximum	40V DC
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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-47151-900

* 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

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A

NOTES:

1. MATERIAL:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC UL94V-0. COLOR: BLACK.
SHELL: COPPER ALLOY.
TERMINAL: COPPER ALLOY.

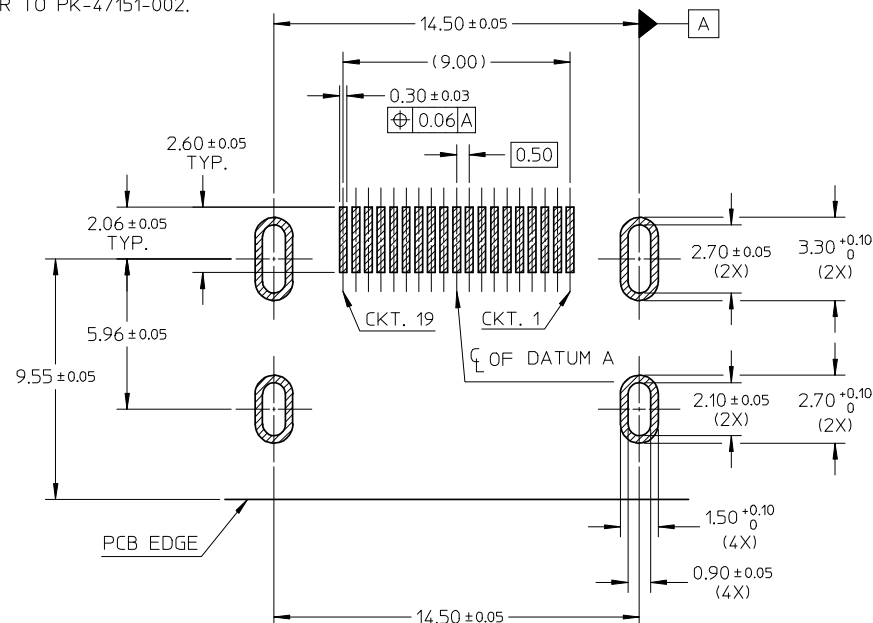
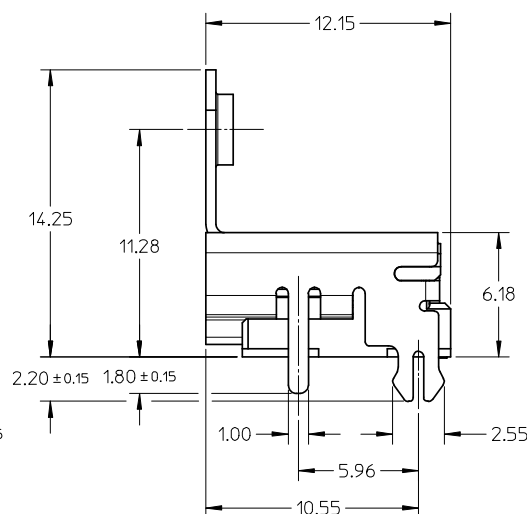
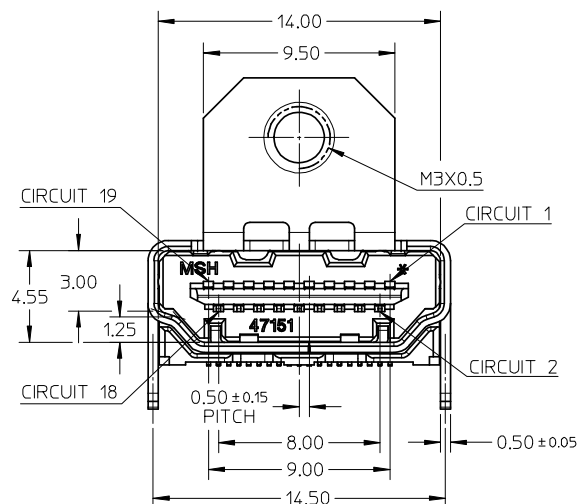
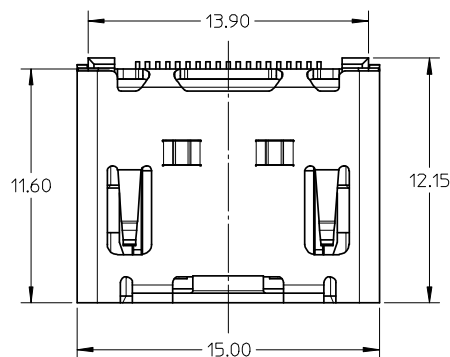
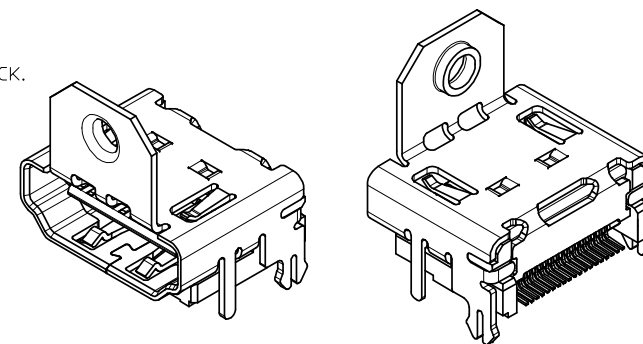
2. PLATING:

TERMINAL:
CONTACT AREA: 0.76 MICROMETER MIN. GOLD PLATING.
SOLDER AREA: 1 MICROMETER MIN. TIN-BISMUTH ALLOY PLATED.
UNDER PLATE: 1.27 MICROMETER MIN. NICKEL.
SHELL: 1.27 MICROMETER MIN. SOLDERABLE NICKEL PLATE OVERALL.

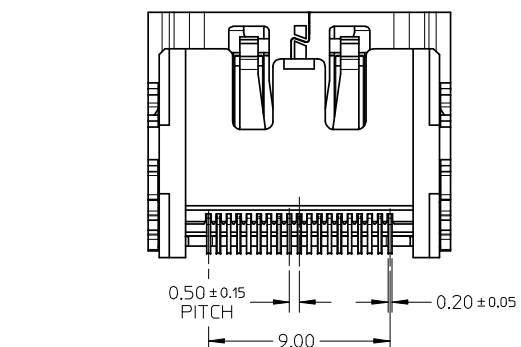
3. COPLANARITY IS 0.1MM MAX.

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

5. PACKAGE SPECIFICATION FOR WITHOUT FLANGE REFER TO PK-47151-002.



RECOMMENDED PCB LAYOUT
CONNECTOR SIDE



NEW PRODUCT EC NO: SH2009-0025 DRWN: CWTANG CHKD: XJ SONG APPR: HWANG REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm		INCH		DRAWN BY BCHEN26		DATE 2007/1/23	
		4 PLACES		± ---		CHECKED BY JOHNSON		DATE 2007/1/23	
		3 PLACES		± ---		APPROVED BY JENNY		DATE 2007/1/23	
DESCRIPTION 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY LEAD FREE	MOLEX INCORPORATED	2 PLACES		± 0.25		MATERIAL NO. 47151-9001		DOCUMENT NO. SD-47151-900	
		1 PLACE		± ---		SIZE A3		SHEET NO. 1 OF 1	
		ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			