

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0471510131

Status:

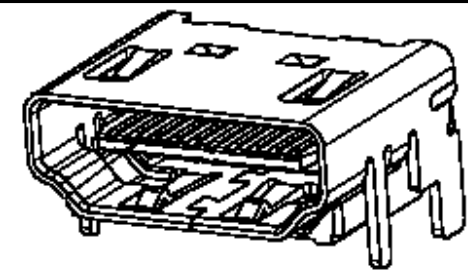
Active

Overview:

high_definition_multimedia_interface_hdmi

Description:

0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Front Solder Tab Length 1.45mm (.057"), Shell Gold (Au) Flash over Nickel (Ni) Plated, without Flange, Mylar or Back Cover, Nature Housing, Tape and Reel Package, 19 Circuits, Lead Free



Series

image - Reference only

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	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)	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
Voltage - Maximum	40V DC

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

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 05/27/2010

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NOTES:

1. MATERIAL:

HOUSING: THERMOPLASTIC . COLOR: SEE TABLE.

SHELL: COPPER ALLOY.

TERMINAL: COPPER ALLOY.

2. PLATING:

TERMINAL:

CONTACT AREA: (1) 0.76 MICROMETER MIN. GOLD PLATING.

(2) 0.25 MICROMETER MIN. GOLD PLATING.

(3) GOLD FLASH.

(4) 0.375 MICROMETER MIN. GOLD PLATING.

SOLDER AREA: 1 MICROMETER MIN. TIN-BISMUTH ALLOY PLATED.

UNDER PLATE: 1.27 MICROMETER MIN. NICKEL.

SHELL: (a) 1.27 MICROMETER MIN. SOLDERABLE NICKEL PLATE OVERALL.

(b) GOLD FLASH PLATING OVER 1.27 MICROMETER MIN.

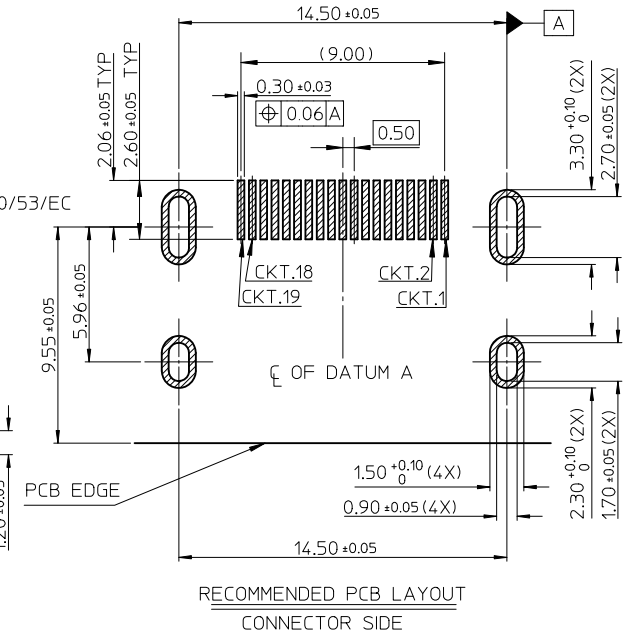
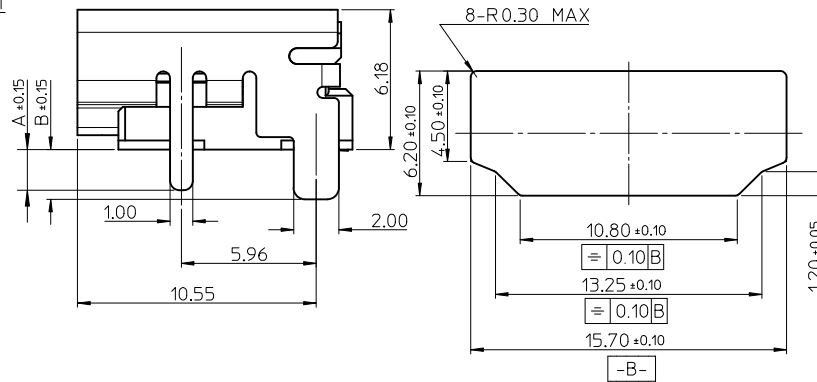
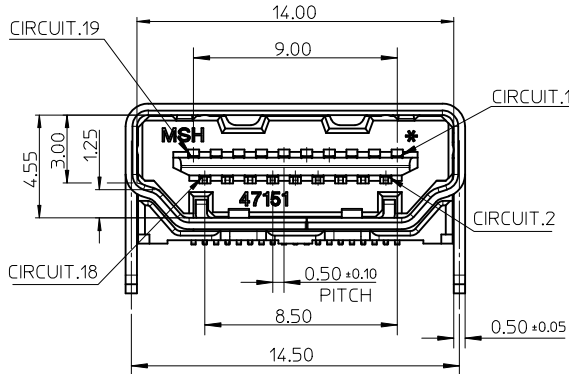
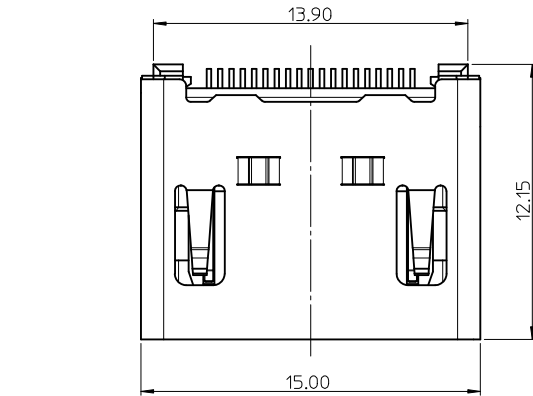
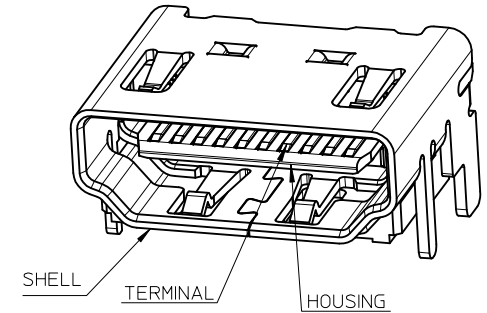
NICKEL PLATING OVERALL.

3. COPLANARITY IS 0.1MM MAX.

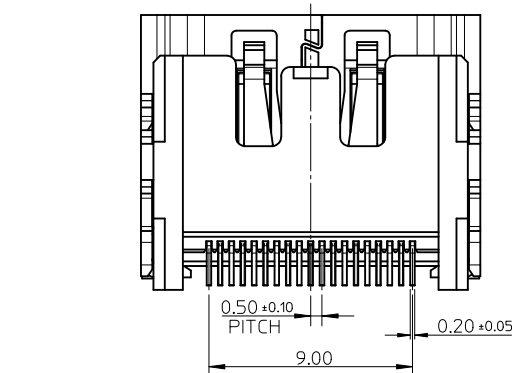
4. PRODUCT SPECIFICATION REFER TO PS-47152-001.

5. PACKAGE SPECIFICATION FOR WITHOUT FLANGE REFER TO PK-47151-001.

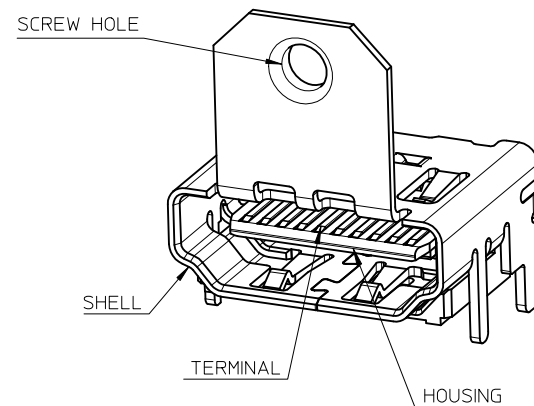
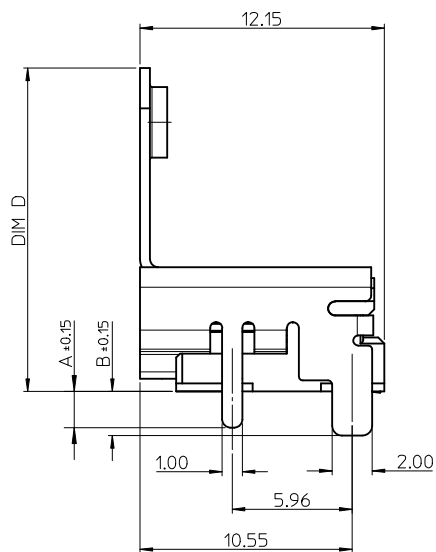
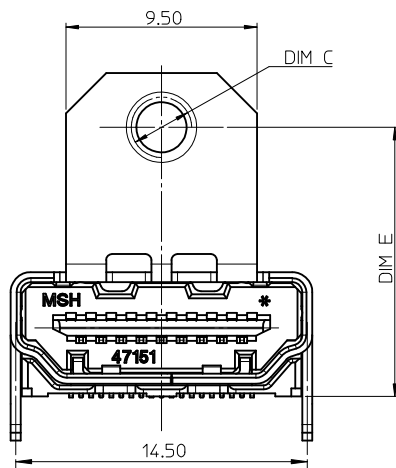
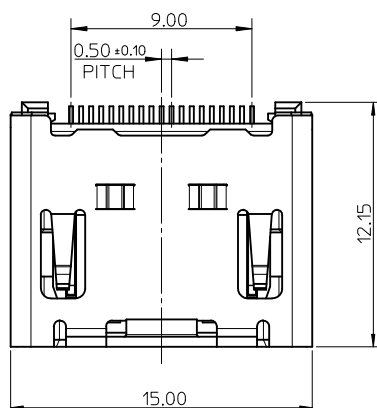
6. PRODUCT COMPLIANT TO RoHS DEIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC



RECOMMENDED PANEL CUT OUT DIMENSION



ADD PART NUMBER EC NO: SH2010-0164 DRWN:XZHZHANG CHKD:GLJ APPR:XJISONG	2009/10/20 2009/10/21 2009/11/30	DESCRIPTION REV	QUALITY SYMBOLS FA=0 FC=0 FP=0	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	DATE					
				3 PLACES	± ---	± ---	GRMA	2004/07/20					
				2 PLACES	± 0.25	± ---	APPROVED BY	DATE					
				1 PLACE	± 0.25	± ---	YTYAP	2004/07/20	DOCUMENT NO.		SHEET NO. 1 OF 8		
				ANGULAR ± 3 °		MATERIAL NO.		SEE SHEET 6		SD-47151-001			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



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 2009/10/21 2009/11/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	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					
				± 0.25	± ---	APPROVED BY YTYAP	DATE 2004/07/20					
				± 0.25	± ---	MATERIAL NO. SEE SHEET 6				DOCUMENT NO. SD-47151-001	SHEET NO. 2 OF 8	
				ANGULAR ± 3 °								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												

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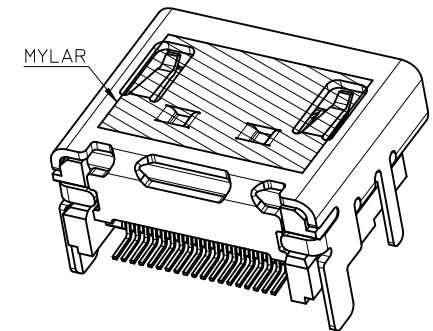
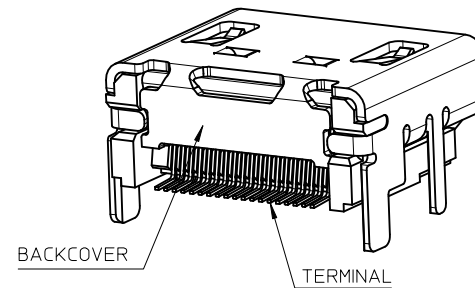
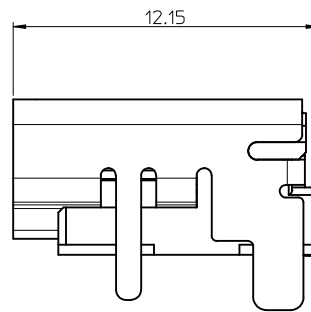
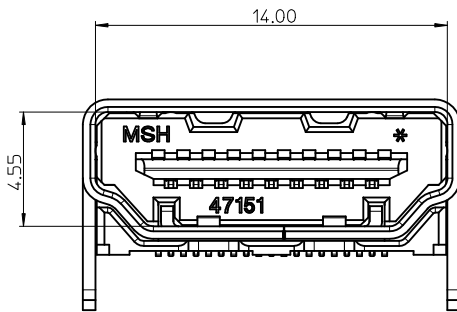
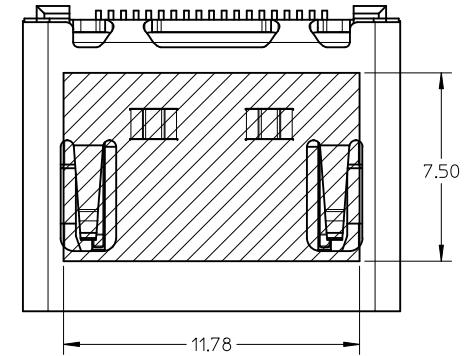
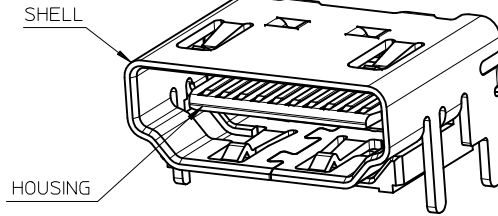
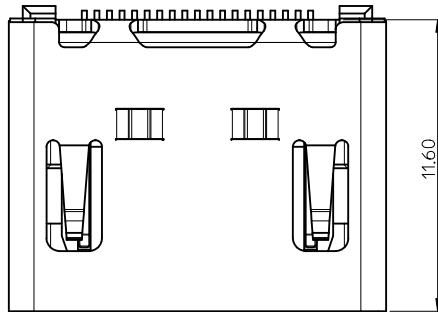
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WITH BACK COVER



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 REV L	DESCRIPTION REV	QUALITY SYMBOLS FA=0 FB=0 FC=0 FD=0	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				
			4 PLACES	± ---	± ---	CHECKED BY GRMA	DATE 2004/07/20					
			3 PLACES	± ---	± ---	APPROVED BY YTYAP	DATE 2004/07/20					
			2 PLACES	± 0.25	± ---	MATERIAL NO. SEE SHEET 7		DOCUMENT NO. SD-47151-001				
			1 PLACE	± 0.25	± ---							
			ANGULAR ± 3 °		SHEET NO. 3 OF 8							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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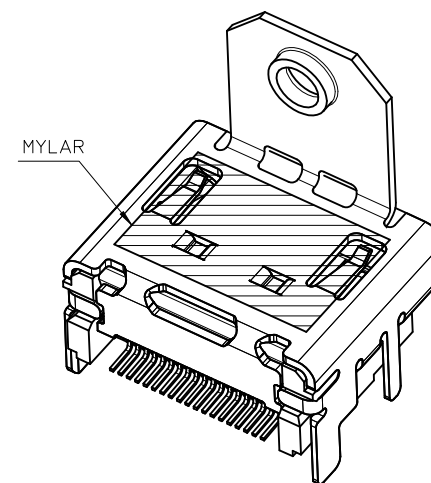
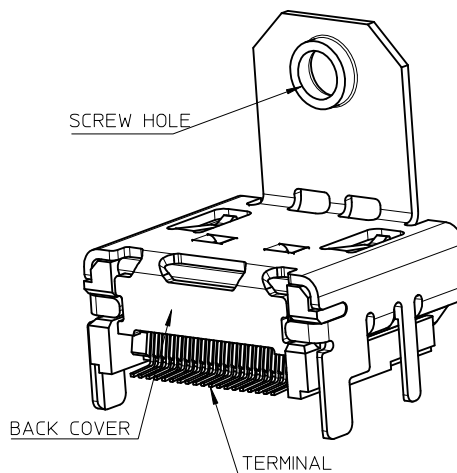
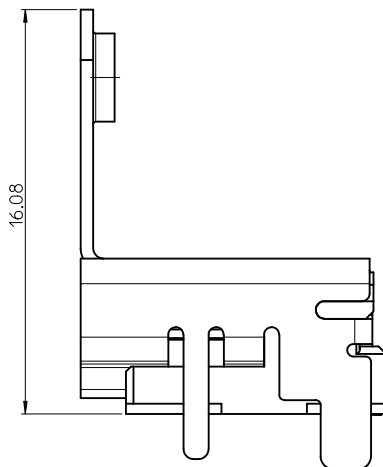
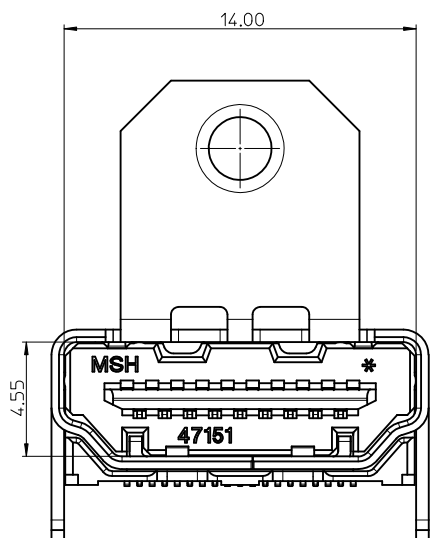
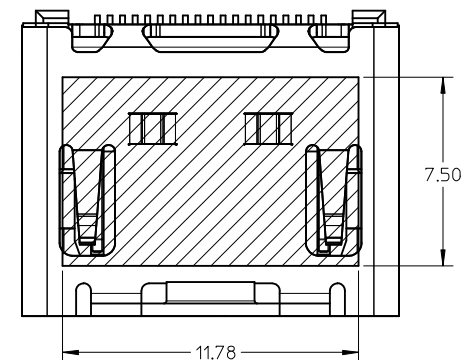
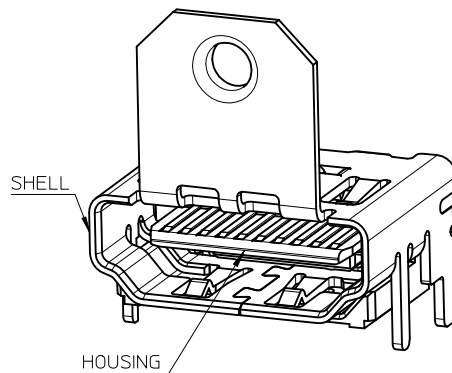
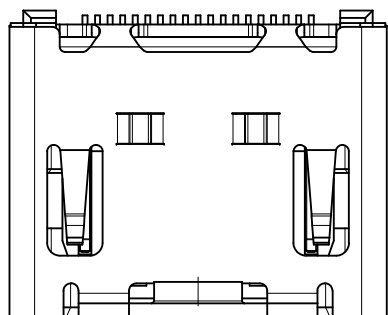
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10 9 8 7 6 5 4 3 2 1

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 DRWN:XZhang CHKD:GLI APPR:XJSong 2009/10/20 2009/10/21 2009/11/30	QUALITY SYMBOLS ▽_A=0 ▽_G=0 ▽_P=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				MM ONLY		5:1	METRIC				
				mm	INCH	DRAWN BY		DATE		TITLE	
				4 PLACES	± ---	± ---	RZHANG	2004/07/20		1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE	
				3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.25	± ---	GRMA	2004/07/20				
			1 PLACE	± 0.25	± ---	APPROVED BY	DATE				
			ANGULAR ± 3 °		YTYAP	2004/07/20		molex MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					SEE SHEET 8		SD-47151-001		4 OF 8		
		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

9 8 7 6 5 4 3 2 1

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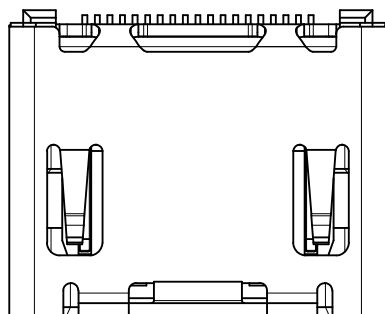
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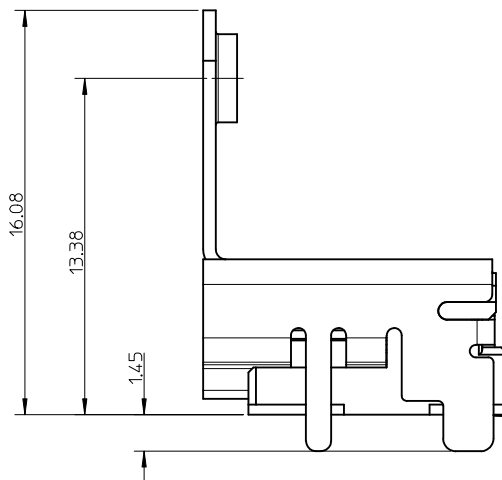
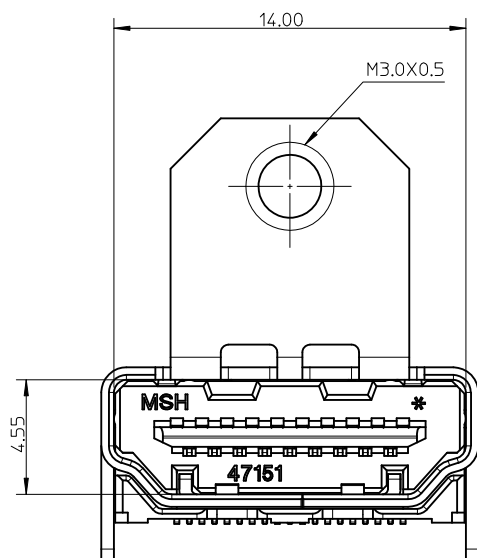
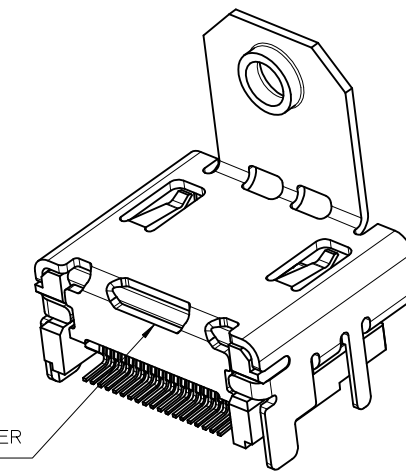
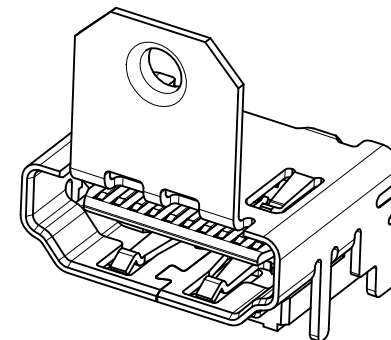
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WITHOUT TOP HOLE



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	$\nabla_F = 0$
4	$\nabla_F = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ 0.25	$\pm$ ---
1 PLACE	$\pm$ 0.25	$\pm$ ---
ANGULAR $\pm$ 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 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	

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	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																									
F	<table><tr><th rowspan="2">ASSEMBLY P/N</th><th colspan="5">DIMENSION</th><th colspan="4">FEATURE</th><th rowspan="2">HOUSING COLOUR</th><th rowspan="2">GOLD PLATING IN CONACT AREA</th><th rowspan="2">SHELL PLATING</th><th rowspan="2">REMARK</th></tr><tr><th>DIM A</th><th>DIM B</th><th>DIM C</th><th>DIM D</th><th>DIM E</th><th>FLANGE</th><th>BACK COVER</th><th>TOP HOLES</th><th>MYLAR</th></tr><tr><td>47151-0001</td><td rowspan="8">1.80</td><td rowspan="8">2.20</td><td rowspan="8">/</td><td rowspan="8">/</td><td rowspan="8">/</td><td rowspan="8">W/O</td><td rowspan="8">W/O</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td rowspan="3">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (a)</td><td rowspan="16">FOR SHEET 1</td></tr><tr><td>47151-0041</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0051</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0011</td><td rowspan="3">NATURE</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (b)</td></tr><tr><td>47151-0071</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0061</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0021</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="2">SEE NOTE 2 (a)</td></tr><tr><td>47151-0031</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-0101</td><td rowspan="8">1.45</td><td rowspan="8">1.45</td><td rowspan="8">/</td><td rowspan="8">/</td><td rowspan="8">/</td><td rowspan="8">W/O</td><td rowspan="8">W/O</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td rowspan="3">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (a)</td></tr><tr><td>47151-0141</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0151</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0111</td><td rowspan="3">NATURE</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (b)</td></tr><tr><td>47151-0181</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0161</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0121</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="2">SEE NOTE 2 (a)</td></tr><tr><td>47151-0131</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-0002</td><td rowspan="8">1.80</td><td rowspan="8">2.20</td><td rowspan="8">M3.0X0.5</td><td rowspan="8">16.08</td><td rowspan="8">13.38</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td rowspan="3">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (a)</td><td rowspan="24">FOR SHEET 2</td></tr><tr><td>47151-0042</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0062</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0012</td><td rowspan="3">NATURE</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (b)</td></tr><tr><td>47151-0052</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0072</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0022</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="2">SEE NOTE 2 (a)</td></tr><tr><td>47151-0032</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-0102</td><td rowspan="8">1.45</td><td rowspan="8">1.45</td><td rowspan="8">M3.0X0.5</td><td rowspan="8">16.08</td><td rowspan="8">13.38</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td rowspan="3">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (a)</td></tr><tr><td>47151-0142</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0162</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0112</td><td rowspan="3">NATURE</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (b)</td></tr><tr><td>47151-0152</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-0172</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-0122</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="2">SEE NOTE 2 (a)</td></tr><tr><td>47151-0132</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-6002</td><td rowspan="3">1.80</td><td rowspan="3">2.20</td><td rowspan="3">M3.0X0.5</td><td rowspan="3">14.25</td><td rowspan="3">11.28</td><td rowspan="3">WITH</td><td rowspan="3">W/O</td><td rowspan="3">WITH</td><td 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(3)	47151-0011	NATURE	SEE NOTE 2 (1)	SEE NOTE 2 (b)	47151-0071	SEE NOTE 2 (2)	47151-0061	SEE NOTE 2 (3)	47151-0021	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-0031	SEE NOTE 2 (1)	47151-0101	1.45	1.45	/	/	/	W/O	W/O	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-0141	SEE NOTE 2 (2)	47151-0151	SEE NOTE 2 (3)	47151-0111	NATURE	SEE NOTE 2 (1)	SEE NOTE 2 (b)	47151-0181	SEE NOTE 2 (2)	47151-0161	SEE NOTE 2 (3)	47151-0121	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-0131	SEE NOTE 2 (1)	47151-0002	1.80	2.20	M3.0X0.5	16.08	13.38	WITH	W/O	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	FOR SHEET 2	47151-0042	SEE NOTE 2 (2)	47151-0062	SEE NOTE 2 (3)	47151-0012	NATURE	SEE NOTE 2 (1)	SEE NOTE 2 (b)	47151-0052	SEE NOTE 2 (2)	47151-0072	SEE NOTE 2 (3)	47151-0022	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-0032	SEE NOTE 2 (1)	47151-0102	1.45	1.45	M3.0X0.5	16.08	13.38	WITH	W/O	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-0142	SEE NOTE 2 (2)	47151-0162	SEE NOTE 2 (3)	47151-0112	NATURE	SEE NOTE 2 (1)	SEE NOTE 2 (b)	47151-0152	SEE NOTE 2 (2)	47151-0172	SEE NOTE 2 (3)	47151-0122	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-0132	SEE NOTE 2 (1)	47151-6002	1.80	2.20	M3.0X0.5	14.25	11.28	WITH	W/O	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-6062	SEE NOTE 2 (2)	47151-6082	SEE NOTE 2 (3)	47151-6102	1.45	1.45	M3.0X0.5	14.25	11.28	WITH	W/O	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-6172	SEE NOTE 2 (2)	47151-6162	SEE NOTE 2 (3)	F
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(2)</td></tr><tr><td>47151-1085</td><td rowspan="2">WITH</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-1026</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-6012</td><td rowspan="4">1.80</td><td rowspan="4">2.20</td><td rowspan="8">M3.0X0.5</td><td rowspan="8">14.25</td><td rowspan="8">11.28</td><td rowspan="8">WITH</td><td rowspan="8">WITH</td><td rowspan="4">W/O</td><td rowspan="4">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="8">SEE NOTE 2 (a)</td></tr><tr><td>47151-6042</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-6052</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-6022</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-6032</td><td rowspan="2">WITH</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-6112</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-6142</td><td rowspan="2">1.45</td><td colspan="7" rowspan="2">1.45</td><td rowspan="2">W/O</td><td rowspan="2">BLACK</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-6152</td><td>SEE NOTE 2 (3)</td></tr></table>											ASSEMBLY P/N	DIMENSION					FEATURE				HOUSING COLOUR	GOLD PLATING IN CONACT AREA	SHELL PLATING	REMARK	DIM A	DIM B	DIM C	DIM D	DIM E	FLANGE	BACK COVER	TOP HOLES	MYLAR	47151-1002	1.80	2.20	M3.0X0.5	16.08	13.38	WITH	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	FOR SHEET 4	47151-1042	SEE NOTE 2 (2)	47151-1052	SEE NOTE 2 (3)	47151-1062	SEE NOTE 2 (4)	47151-2062	WITH	BLACK	SEE NOTE 2 (4)	47151-1012	W/O	NATURE	SEE NOTE 2 (1)	47151-1072	SEE NOTE 2 (2)	47151-1082	SEE NOTE 2 (3)	47151-1022	BLACK	SEE NOTE 2 (1)	47151-1032	NATURE	SEE NOTE 2 (1)	SEE NOTE 2 (b)	47151-1102	1.45	1.45	M3.0X0.5	16.08	13.38	WITH	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-1142	SEE NOTE 2 (2)	47151-1152	SEE NOTE 2 (3)	47151-1112	SEE NOTE 2 (1)	47151-1162	NATURE	SEE NOTE 2 (2)	SEE NOTE 2 (b)	47151-1172	SEE NOTE 2 (3)	47151-1122	BLACK	SEE NOTE 2 (1)	47151-1132	NATURE	SEE NOTE 2 (1)	47151-1005	1.80	2.20	4-40	16.08	13.38	WITH	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 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