This document was generated on 05/25/2010

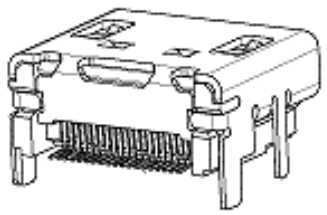
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0471511051

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 Plated, with Back Cover, without Mylar and Upper Flange, Tape and Reel Package, Black Housing, 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	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
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
Voltage - Maximum	40V DC

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

Material Info

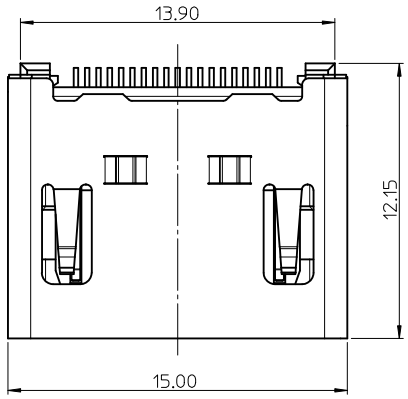
Reference - Drawing Numbers

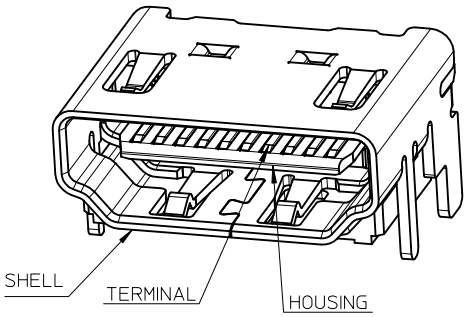
Packaging Specification	PK-47151-001
Product Specification	PS-47152-001
Sales Drawing	SD-47151-001

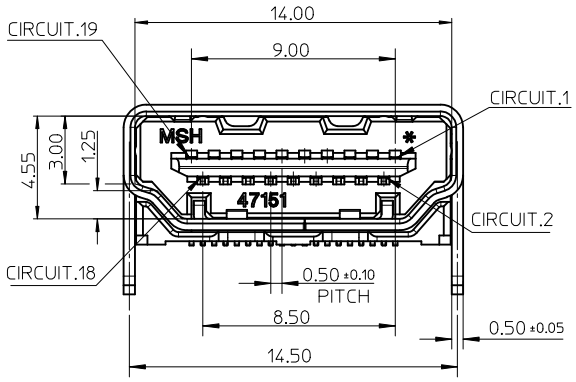
* High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.

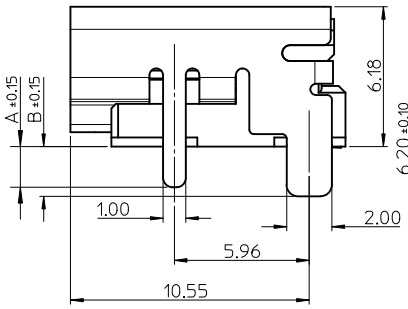
NOTES:

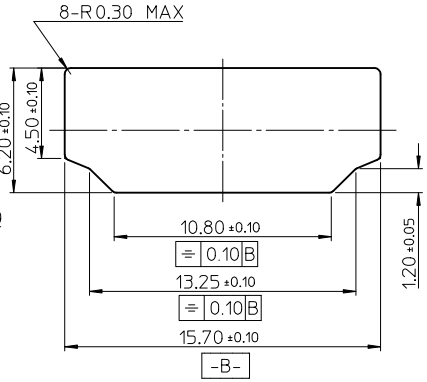
1. MATERIAL:
   HOUSING: THERMOPLASTIC . COLOR: SEE TABLE.
   SHELL: COPPER ALLOY.
   TERMINAL: COPPER ALLOY.
2. PLATING:
   TERMINAL:
   CONTACT AREA: (1) 0.76 MICROMETER MIN. GOLD PLATING.
   (2) 0.25 MICROMETER MIN. GOLD PLATING.
   (3) GOLD FLASH.
   (4) 0.375 MICROMETER MIN. GOLD PLATING.
   SOLDER 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



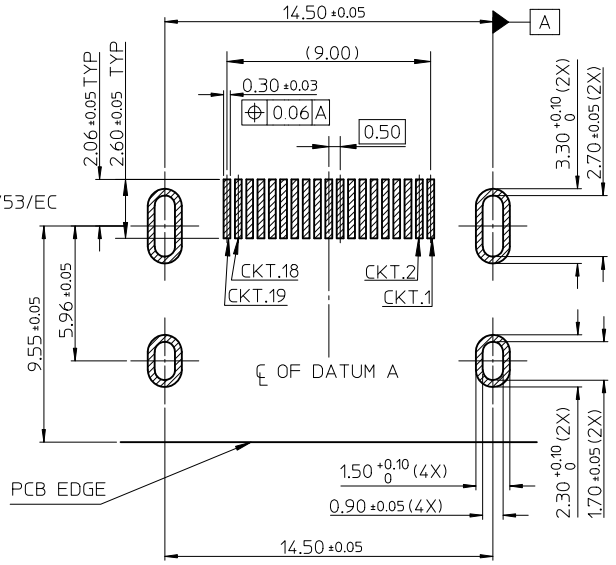




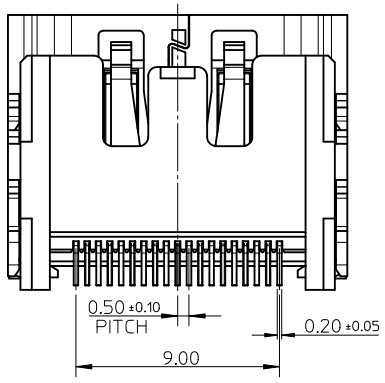




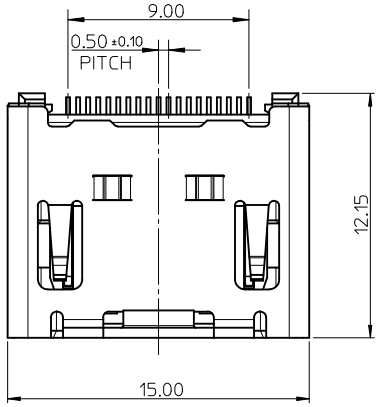
RECOMMENDED PANEL CUT OUT DIMENSION

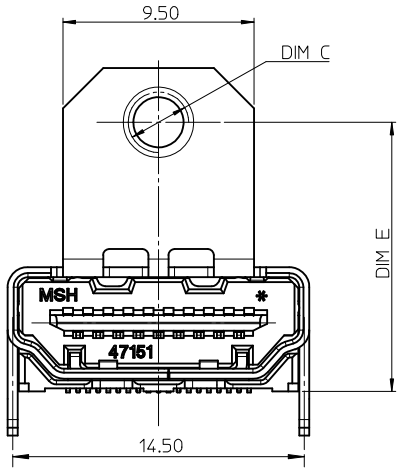


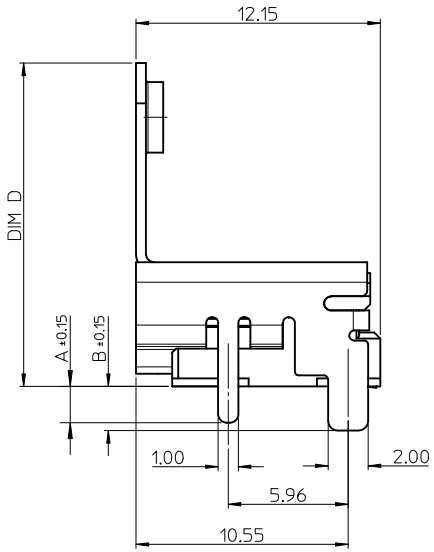
RECOMMENDED PCB LAYOUT
CONNECTOR SIDE

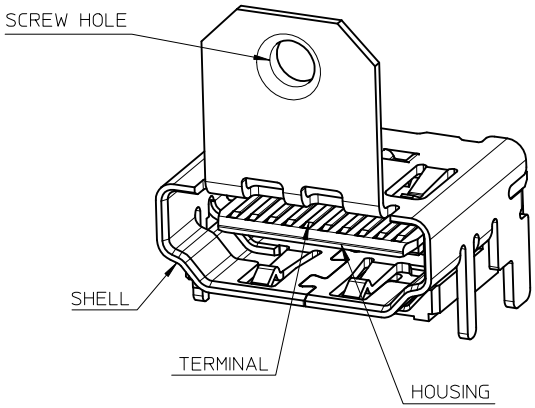


ADD PART NUMBER EC NO: SH2010-0164 2009/10/20 DRWN:XQZHANG 2009/10/21 CH'KD:GLI 2009/11/30 APPR:XJSONG	DESCRIPTION	QUALITY SYMBOLS FA=0 FC=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.25 / ± --- 1 PLACE ± 0.25 / ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: RZHANG DATE: 2004/07/20 CHECKED BY: GRMA DATE: 2004/07/20 APPROVED BY: YTYAP DATE: 2004/07/20 MATERIAL NO.: SEE SHEET 6	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.: 1 OF 8 SIZE: A3
REV					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 2009/10/20
DRWN:XQZHANG 2009/10/21
CH'KD:GLLI 2009/11/30
APPR:XJSONG
DESCRIPTION
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_B}$=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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

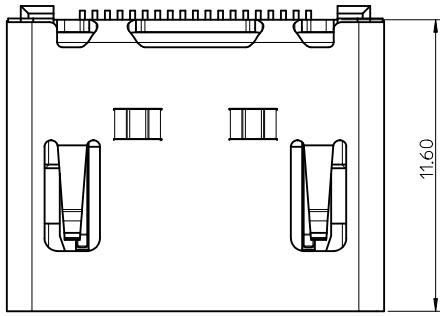
TITLE: 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE

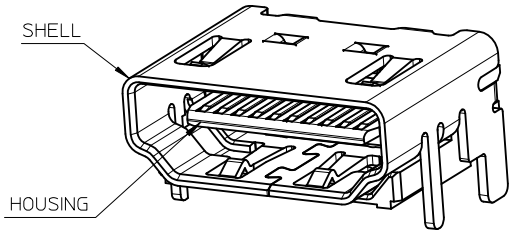
molex MOLEX INCORPORATED

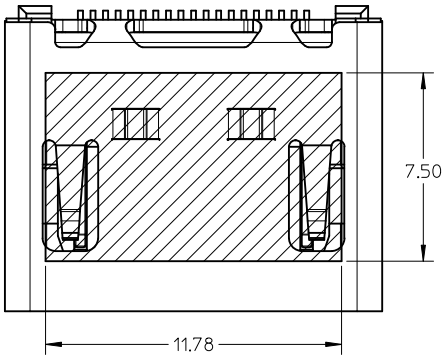
MATERIAL NO.: SEE SHEET 6
DOCUMENT NO.: SD-47151-001
SHEET NO.: 2 OF 8
SIZE: A3

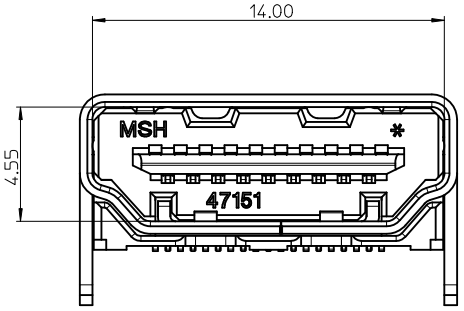
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

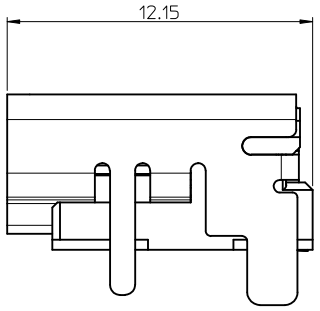
WITH BACK COVER

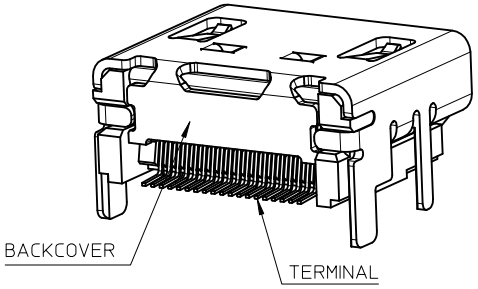


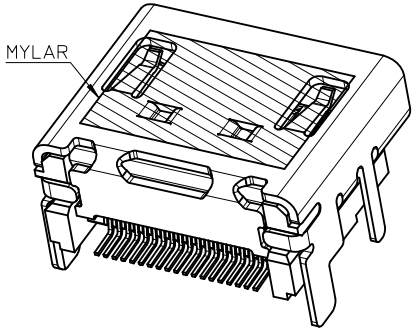












NOTES:

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 2009/10/20
DRWN:XQZHANG 2009/10/21
CHKD:GLI I
APPR:XJSONG 2009/11/30
DESCRIPTION
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

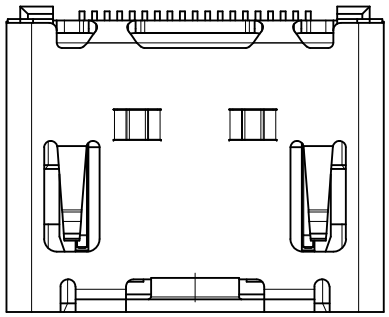
TITLE: 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE

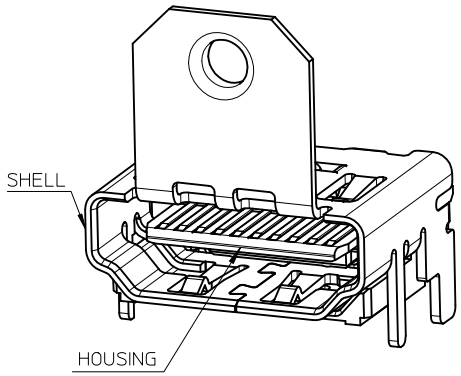
MOLEX INCORPORATED

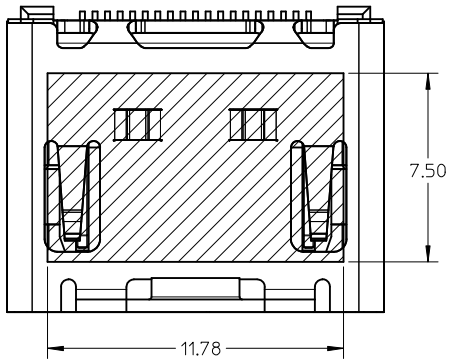
MATERIAL NO.: SEE SHEET 7
DOCUMENT NO.: SD-47151-001
SHEET NO.: 3 OF 8
SIZE: A3

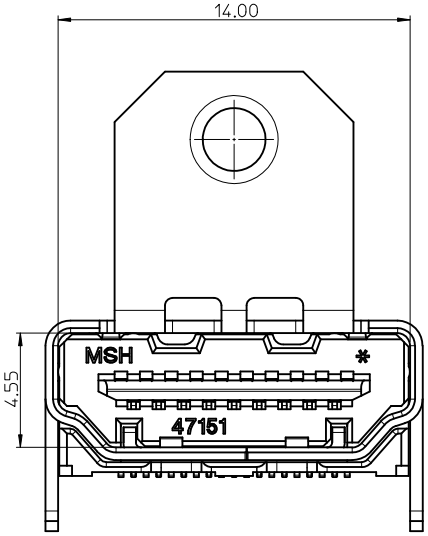
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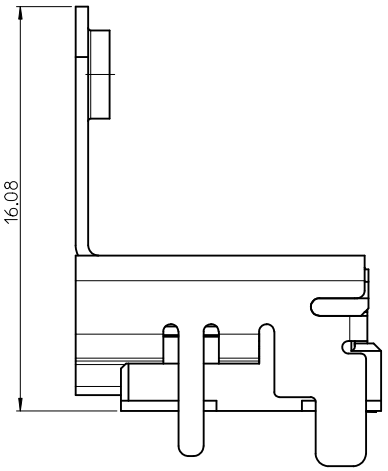
WITH BACK COVER

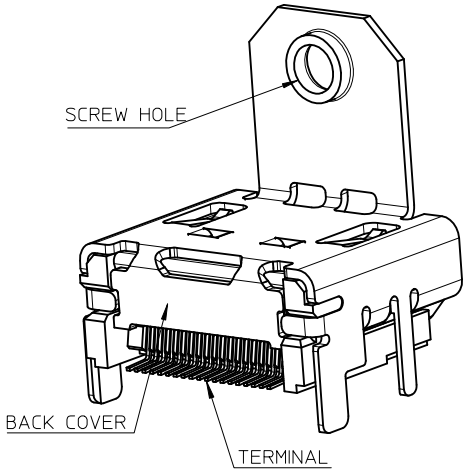


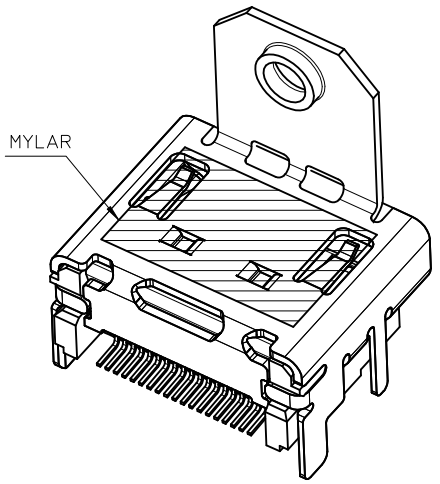












THIS IS ONLY FOR

47151-1025/1075/1085/6022/6032/1026/2062

NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO 47151-0002.
2. PACKAGE SPECIFIACTION 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
DRWN:XQZHANG 2009/10/21
CH'KD:GLI
APPR:XJSONG 2009/11/30
DESCRIPTION
REV

QUALITY SYMBOLS
$\boxed{E_A}$=0
$\boxed{E_C}$=0
$\boxed{E_B}$=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
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

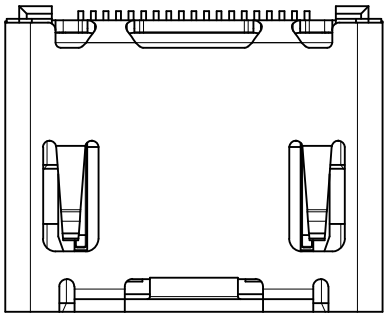
DRAWN BY: RZHANG DATE: 2004/07/20
CHECKED BY: GRMA DATE: 2004/07/20
APPROVED BY: YTYAP DATE: 2004/07/20

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

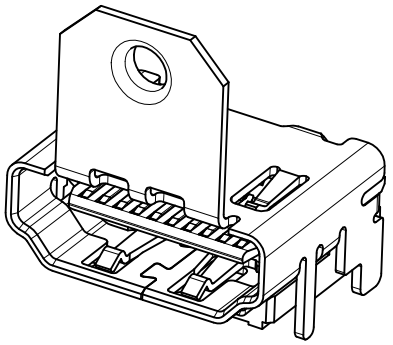
MOLEX INCORPORATED

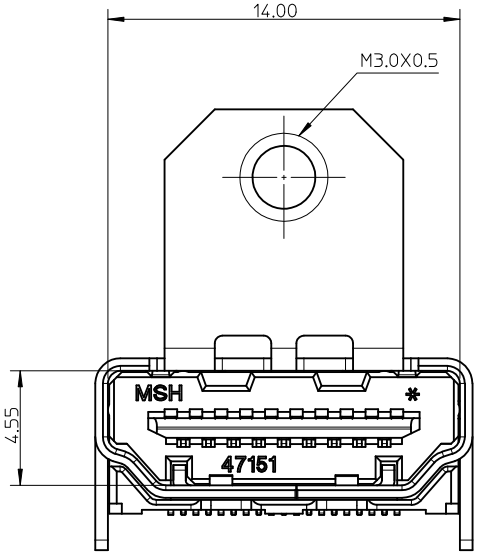
MATERIAL NO.: SEE SHEET 8
DOCUMENT NO.: SD-47151-001
SHEET NO.: 4 OF 8
SIZE: A3

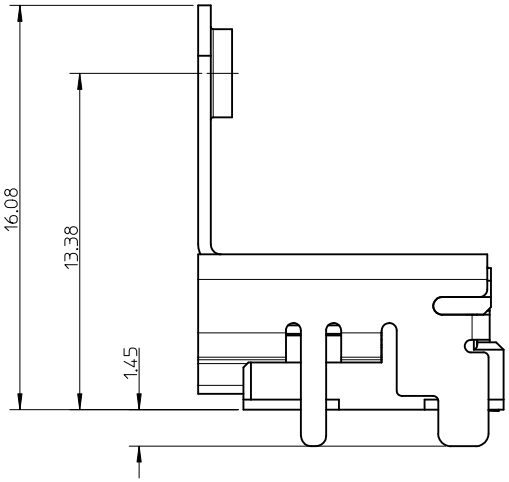
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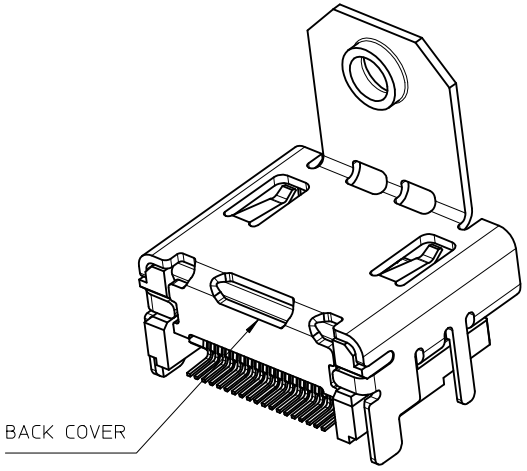


WITHOUT TOP HOLE









NOTES:

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

SEE SHEET 1		
EC NO: SH2010-0164	2009/10/20	
DRWN:XOZHANG	2009/10/21	
CH'KD:GLLI	2009/11/30	
APPR:XJSONG		
DESCRIPTION		
REV		

QUALITY SYMBOLS

FA=0

FC=0

FF=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
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	RZHANG
DATE	2004/07/20
CHECKED BY	GRMA
DATE	2004/07/20
APPROVED BY	YTYAP
DATE	2004/07/20
MATERIAL NO.	SEE SHEET 7
TITLE	1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47151-001
SHEET NO.	5 OF 8
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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				
47151-0001	1.80	2.20	/	/	/	W/O	W/O	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	FOR SHEET 1
47151-0041											SEE NOTE 2 (2)		
47151-0051											SEE NOTE 2 (3)		
47151-0011										NATURE	SEE NOTE 2 (1)		
47151-0071											SEE NOTE 2 (2)		
47151-0061											SEE NOTE 2 (3)		
47151-0021										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
47151-0031										NATURE	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)		
47151-0181											SEE NOTE 2 (2)		
47151-0161											SEE NOTE 2 (3)		
47151-0121										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
47151-0131										NATURE	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)		
47151-0052											SEE NOTE 2 (2)		
47151-0072											SEE NOTE 2 (3)		
47151-0022										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
47151-0032										NATURE	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)		
47151-0152											SEE NOTE 2 (2)		
47151-0172											SEE NOTE 2 (3)		
47151-0122										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
47151-0132										NATURE	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)		
47151-6172											SEE NOTE 2 (2)		
47151-6162											SEE NOTE 2 (3)		

SEE SHEET 1
EC NO: SH2010-0164 2009/10/20
DRWN:XQZHANG 2009/10/21
CHKD:GLI 2009/11/30
APPR:XJSONG
DESCRIPTION
REV

QUALITY SYMBOLS
$\sqrt{F_A}=0$
$\sqrt{F_C}=0$
$\sqrt{F_P}=0$

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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

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

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47151-001
SHEET NO.: 6 OF 8
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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				
47151-1001	1.80	2.20	/	/	/	W/O	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	FOR SHEET 3
47151-1041											SEE NOTE 2 (2)		
47151-1051											SEE NOTE 2 (3)		
47151-1003											SEE NOTE 2 (4)		
47151-1061									WITH	BLACK	SEE NOTE 2 (1)		
47151-1071											SEE NOTE 2 (2)		
47151-1081											SEE NOTE 2 (3)		
47151-1011									W/O	NATURE	SEE NOTE 2 (1)		
47151-1211											SEE NOTE 2 (2)		
47151-1311											SEE NOTE 2 (3)		
47151-1021										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
47151-1091											SEE NOTE 2 (3)		
47151-1031										NATURE	SEE NOTE 2 (1)		
47151-1101	1.45	1.45	/	/	/	W/O	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	
47151-1141											SEE NOTE 2 (2)		
47151-1151											SEE NOTE 2 (3)		
47151-1111										NATURE	SEE NOTE 2 (1)		
47151-1161											SEE NOTE 2 (2)		
47151-1171											SEE NOTE 2 (3)		
47151-1121										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
47151-1131										NATURE	SEE NOTE 2 (1)		
47151-7102	1.45	1.45	M3.0X0.5	16.08	13.38	WITH	WITH	W/O	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	FOR SHEET 5
47151-7142											SEE NOTE 2 (2)		
47151-7162											SEE NOTE 2 (3)		

SEE SHEET 1
EC NO: SH2010-0164 2009/10/20
DRWN:XQZHANG 2009/10/21
CH'KD:GLLI 2009/11/30
APPR:XJSONG
DESCRIPTION
REV

QUALITY SYMBOLS
F_W=0
F_C=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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

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

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47151-001
SHEET NO.: 7 OF 8
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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)	SEE NOTE 2 (b)	
47151-1032										NATURE	SEE NOTE 2 (1)		
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										NATURE	SEE NOTE 2 (1)		
47151-1162											SEE NOTE 2 (2)		
47151-1172											SEE NOTE 2 (3)		
47151-1122										BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (b)	
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 (a)	
47151-1045											SEE NOTE 2 (2)		
47151-1065											SEE NOTE 2 (3)		
47151-1015										NATURE	SEE NOTE 2 (1)		
47151-1035											SEE NOTE 2 (2)		
47151-1055											SEE NOTE 2 (3)		
47151-1025									WITH	BLACK	SEE NOTE 2 (1)		
47151-1075											SEE NOTE 2 (2)		
47151-1085											SEE NOTE 2 (3)		
47151-1026											SEE NOTE 2 (1)		
47151-6012	1.80	2.20	M3.0X0.5	14.25	11.28	WITH	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)	
47151-6042											SEE NOTE 2 (2)		
47151-6052											SEE NOTE 2 (3)		
47151-6022									WITH	BLACK	SEE NOTE 2 (1)		
47151-6032											SEE NOTE 2 (3)		
47151-6112	1.45	1.45							W/O	BLACK	SEE NOTE 2 (1)		
47151-6142											SEE NOTE 2 (2)		
47151-6152											SEE NOTE 2 (3)		

SEE SHEET 1
EC NO: SH2010-0164 2009/10/20
DRWN:XQZHANG 2009/10/21
CH'KD:GLI 2009/11/30
APPR:XJSONG
DESCRIPTION
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
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$\sqrt{F_P}$=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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

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

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47151-001
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