

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0471511041

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 0.25µm (10µ") Gold (Au) Plated, with Back Cover, without Mylar and Upper Flange, Tape and Reel Package, BlackHousing, 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
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)	10
Plating min: Mating (µm)	0.25
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



image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

Material Info

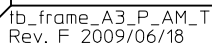
Reference - Drawing Numbers

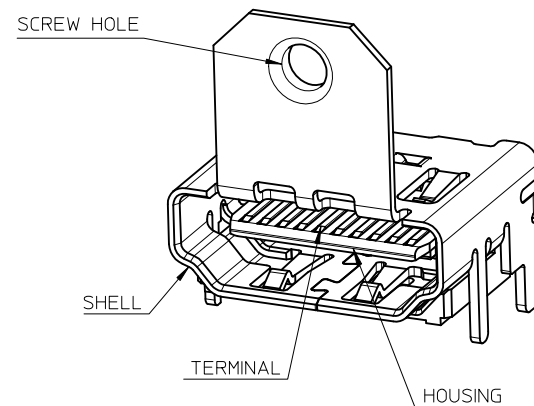
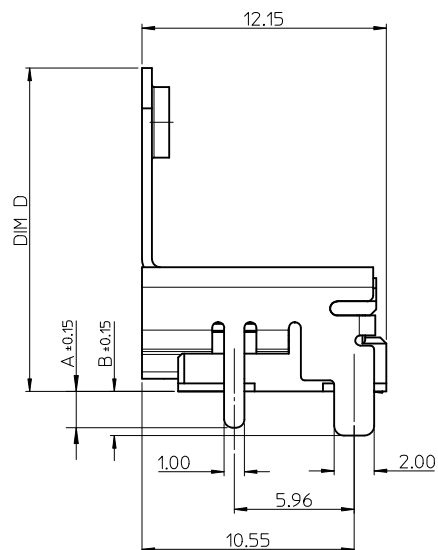
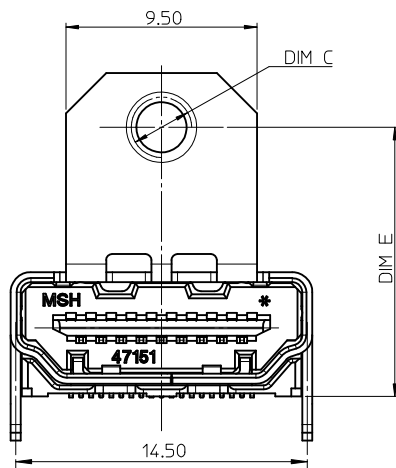
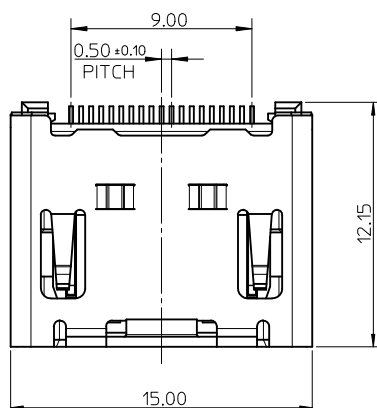
Packaging Specification	PK-47151-001
Product Specification	PS-47152-001
Sales Drawing	SD-47151-001

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

This document was generated on 05/19/2010

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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
				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	± ---				
1 PLACE	± 0.25	± ---	ANGULAR ± 3 °				MOLEX	MOLEX INCORPORATED	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 6		DOCUMENT NO. SD-47151-001	SHEET NO. 2 OF 8	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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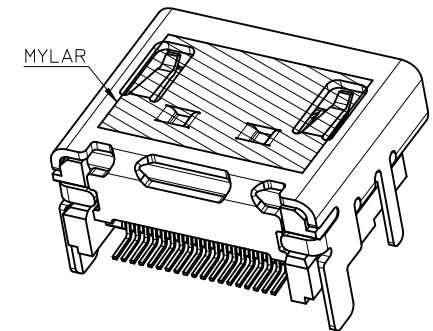
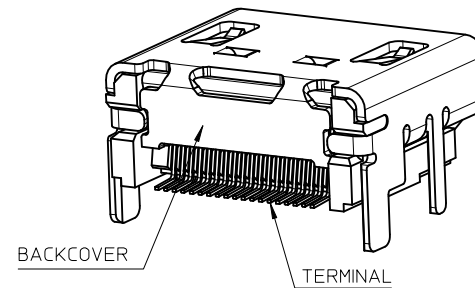
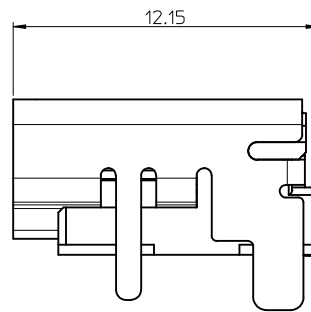
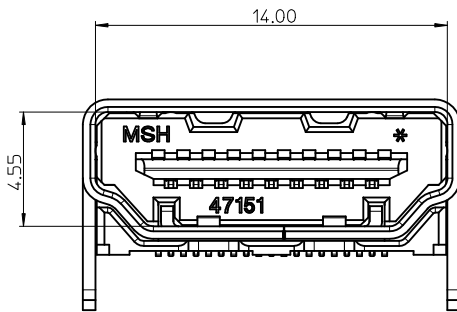
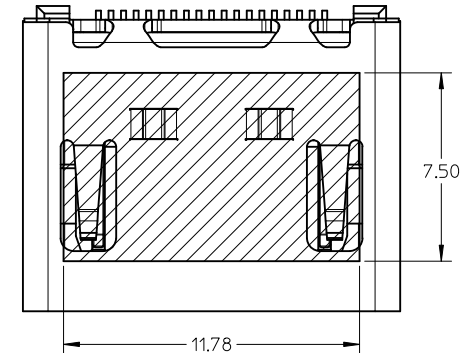
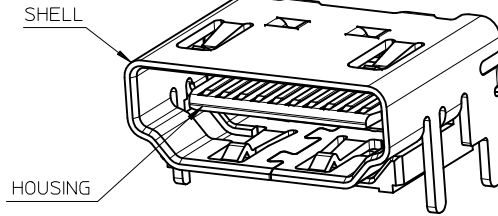
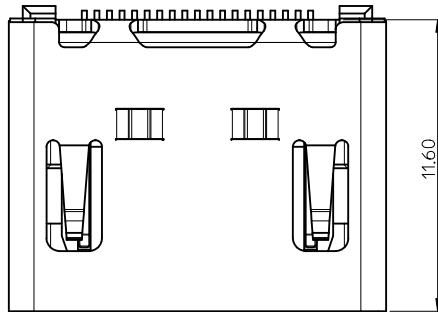
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WITH BACK COVER



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 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		SHEET NO. 3 OF 8		
			1 PLACE	± 0.25	± ---							
			ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

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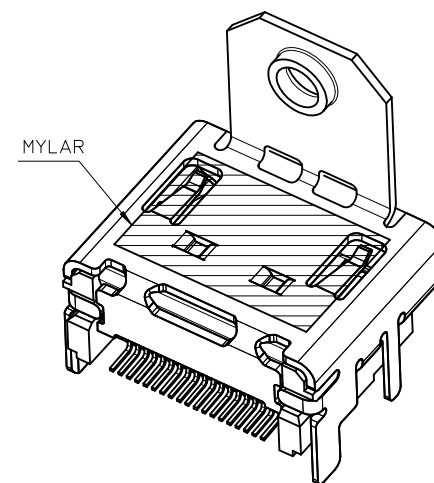
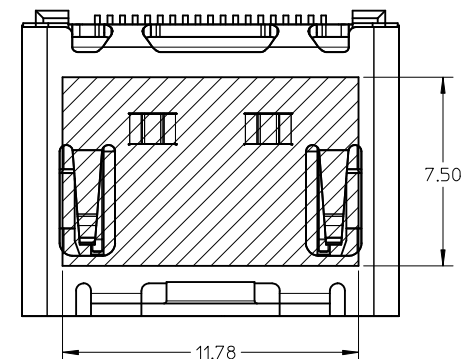
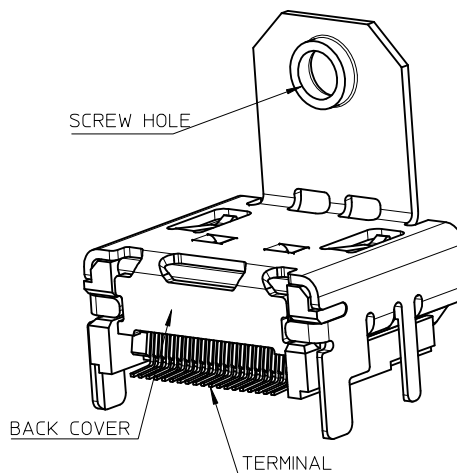
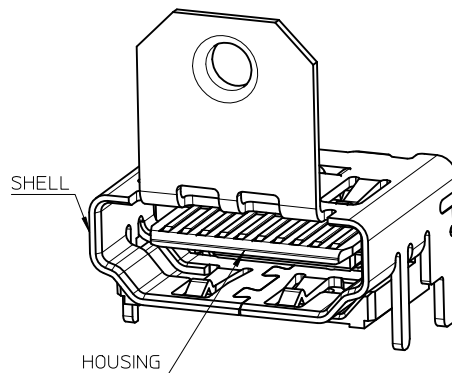
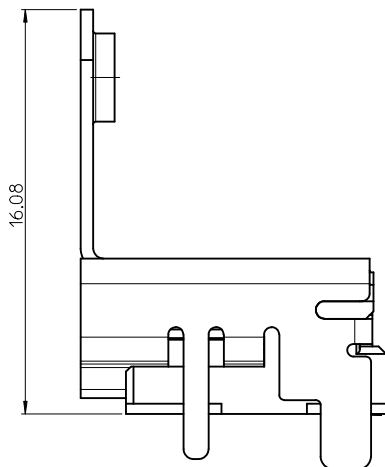
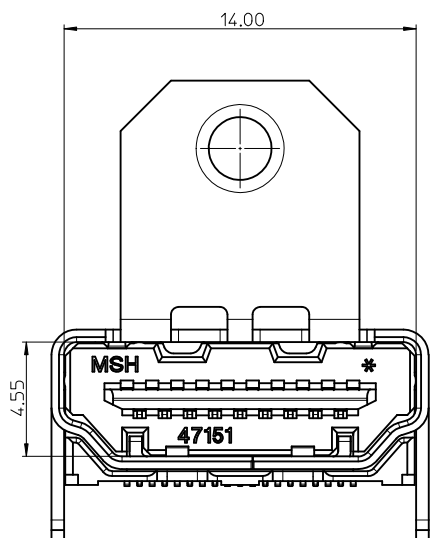
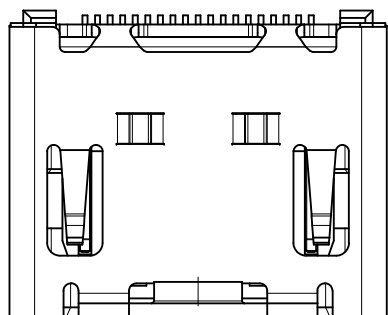
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10 9 8 7 6 5 4 3 2 1

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:XJONG 2009/10/20 2009/10/21 2009/11/30	QUALITY SYMBOLS ▽_A=0 ▽_C=0 ▽_B=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></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>± 0.25</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 3 °			DIMENSION STYLE MM ONLY <table><tr><th colspan="2">DRAWN BY</th><th>DATE</th></tr><tr><td colspan="2">RZHANG</td><td>2004/07/20</td></tr><tr><th colspan="2">CHECKED BY</th><th>DATE</th></tr><tr><td colspan="2">GRMA</td><td>2004/07/20</td></tr><tr><th colspan="2">APPROVED BY</th><th>DATE</th></tr><tr><td colspan="2">YTYAP</td><td>2004/07/20</td></tr></table>	DRAWN BY		DATE	RZHANG		2004/07/20	CHECKED BY		DATE	GRMA		2004/07/20	APPROVED BY		DATE	YTYAP		2004/07/20	SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE	DOCUMENT NO. SD-47151-001	SHEET NO. 4 OF 8
				mm	INCH																																								
			4 PLACES	± ---	± ---																																								
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APPROVED BY		DATE																																											
YTYAP		2004/07/20																																											
REV	DESCRIPTION	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																																									

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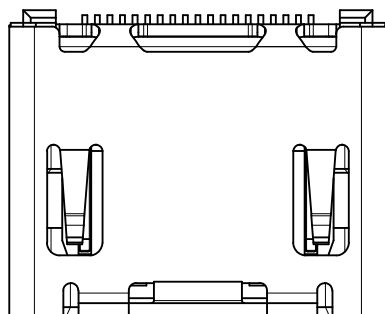
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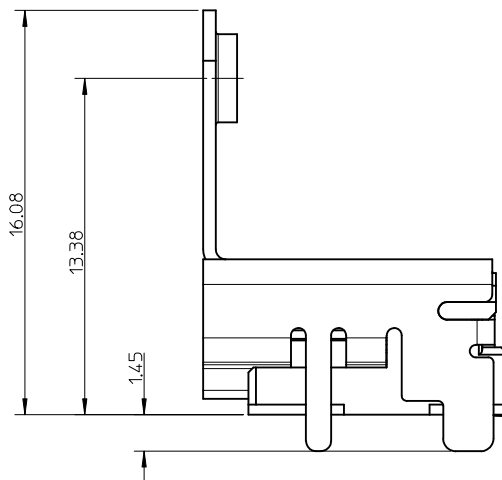
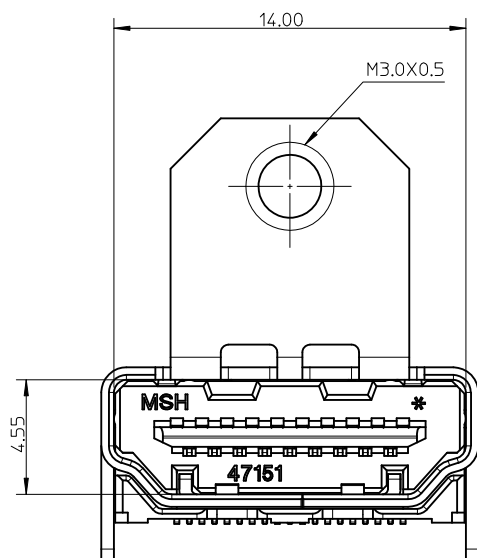
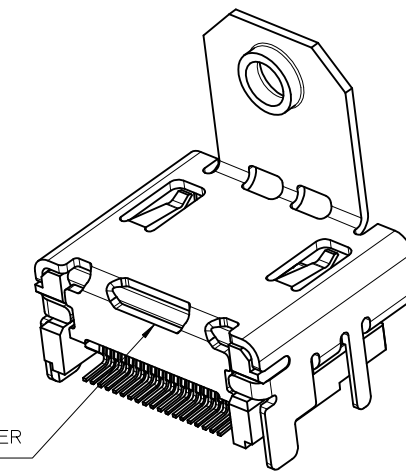
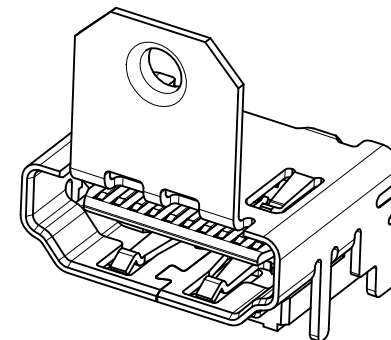
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WITHOUT TOP HOLE



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
DESCRIPTION		
REV		

QUALITY SYMBOLS

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

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 DIMENSIONSDIMENSION 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.	

SCALE
5:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION1.0 HDMI RIGHT ANGLE
HEADER ASSEMBLY(19 PIN)
LEAD FREE

MOLEX INCORPORATED

DOCUMENT NO.

SD-47151-001

SHEET NO.

5 OF 8

SIZE
A3THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

10		9		8		7		6		5		4		3		2		1															
F	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										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	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)																															
E	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																							
	47151-0002	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										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	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)																															
D	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																							
	47151-6002	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										SEE NOTE 2 (1)																						
	47151-6172	1.45	1.45	M3.0X0.5	14.25	11.28	WITH	W/O	WITH	W/O	BLACK	SEE NOTE 2 (2)																					
	47151-6162										SEE NOTE 2 (3)																						
SEE SHEET 1												QUALITY SYMBOLS			GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION										
EC NO: SH2010-0164												F ₁ =0			4 PLACES ± --- ± ---		DRAWN BY DATE		TITLE		1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE												
DRWN:XOZHANG 2009/10/20												F ₂ =0		3 PLACES ± --- ± ---		CHECKED BY DATE		MOLEX INCORPORATED		SD-47151-001													
CHKD:GLI 2009/10/21												F ₃ =0		2 PLACES ± 0.25 ± ---		GRMA 2004/07/20		SHEET NO. 6 OF 8															
APPR:XJISONG 2009/11/30												F ₄ =0		1 PLACE ± 0.25 ± ---		APPROVED BY DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
REV												ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												SIZE A3		SEE TABLE																			

fb_frame_A3_P_AM_T
Rev. F 2009/06/18

987654321

10	9	8	7	6	5	4	3	2	1
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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											SEE NOTE 2 (1)			
47151-1211									W/O	NATURE	SEE NOTE 2 (2)			
47151-1311											SEE NOTE 2 (3)			
47151-1021											BLACK			SEE NOTE 2 (1)
47151-1091														SEE NOTE 2 (3)
47151-1031	NATURE	SEE NOTE 2 (1)	SEE NOTE 2 (b)											
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											SEE NOTE 2 (1)			
47151-1161									NATURE	SEE NOTE 2 (2)				
47151-1171										SEE NOTE 2 (3)				
47151-1121										SEE NOTE 2 (1)				
47151-1131										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 DRWN:XZFHANG 2009/10/20 CHKD:GILLI 2009/10/21 APPR:XJONG 2009/11/30	DESCRIPTION REV	QUALITY SYMBOLS F =0 F =0 F =0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 1:1	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 ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± ---	CHECKED BY GRMA DATE 2004/07/20				
			ANGULAR ± 3 °		APPROVED BY YTYAP DATE 2004/07/20	MOLEX MOLEX INCORPORATED		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	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				

