

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0471511002

Status:

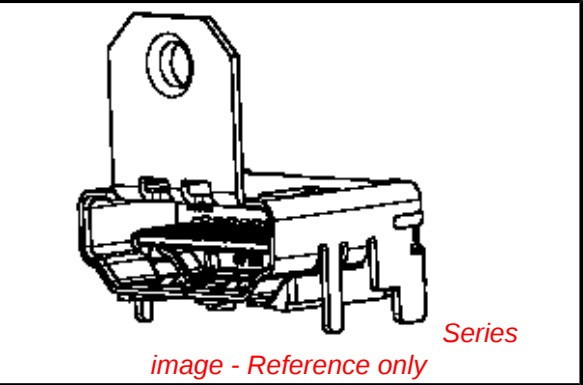
Active

Overview:

high_definition_multimedia_interface_hdmi

Description:

0.50mm (.020") Pitch HDMI* Receptacle, Right Angle with Screw Flange, Front Solder Tab Length 1.80mm (.071"), Shell Nickel (Ni) Plated, with Back Cover, Black Housing, Tray Package, 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
MolexKits	Yes
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	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 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](#) HDMI Adapter

Voltage - Maximum	40V DC
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Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	250

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47151-002
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 06/07/2010

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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.

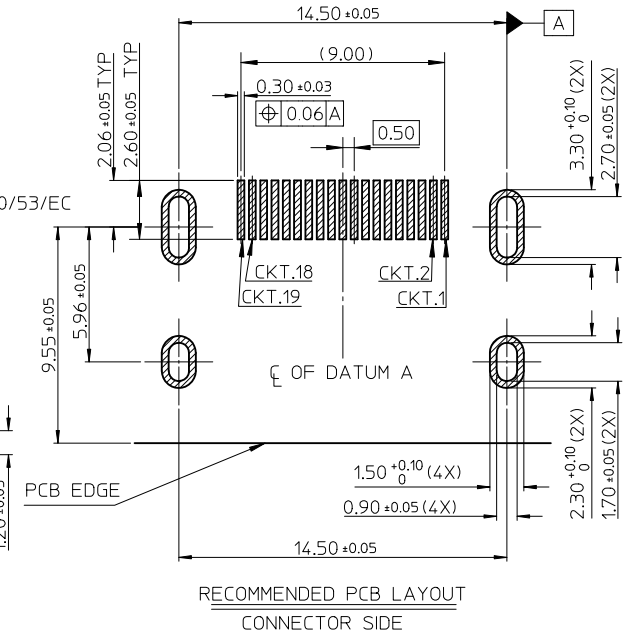
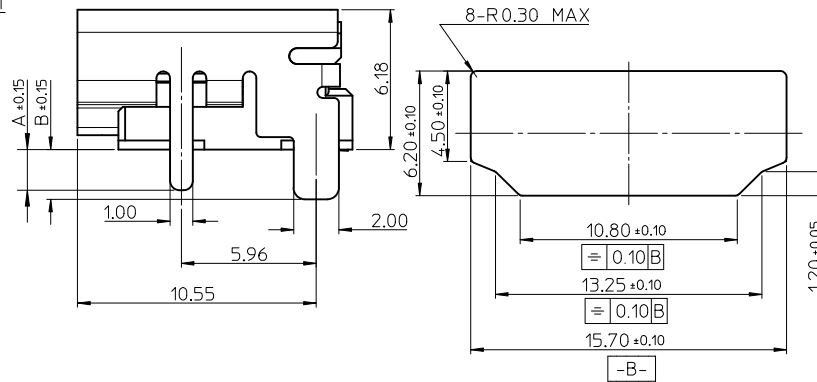
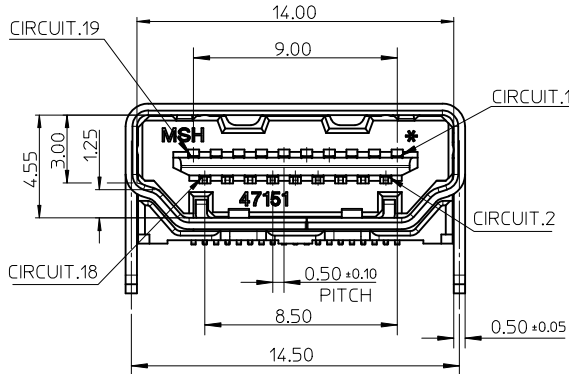
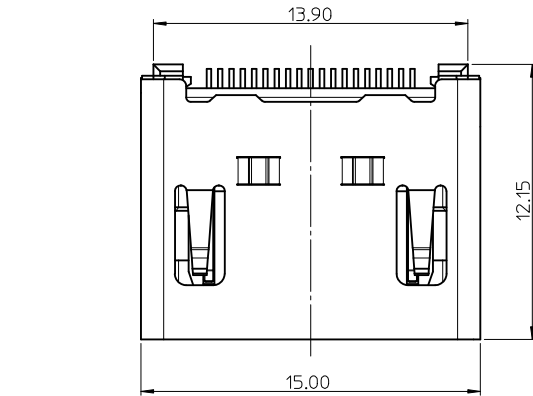
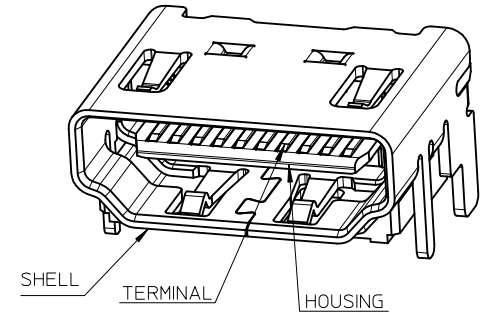
NICKEL PLATING OVERALL.

3. COPLANARITY IS 0.1MM MAX.

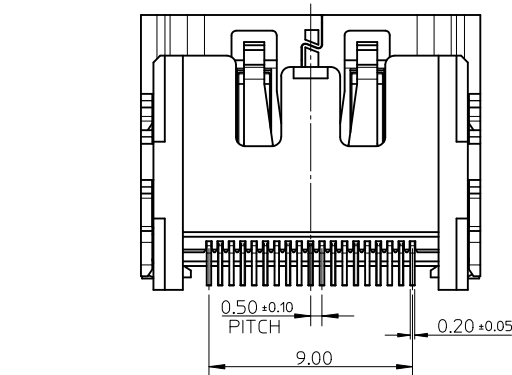
4. PRODUCT SPECIFICATION REFER TO PS-47152-001.

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

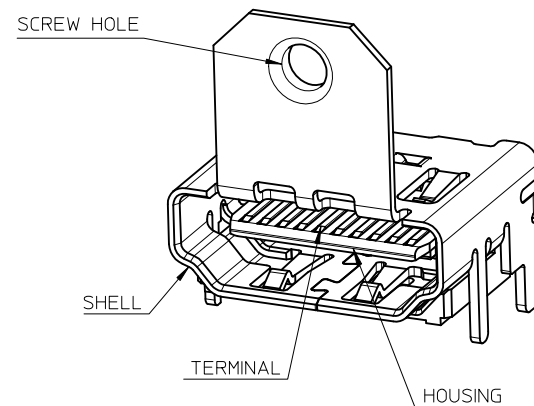
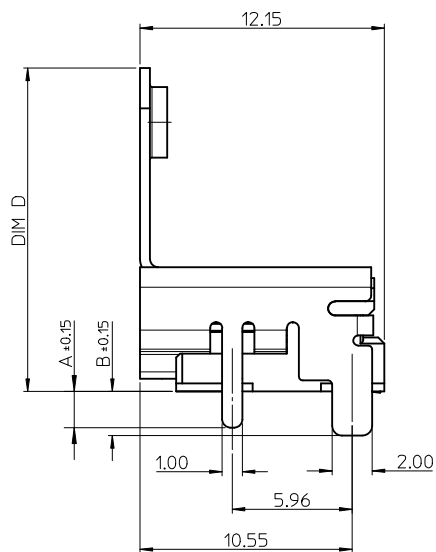
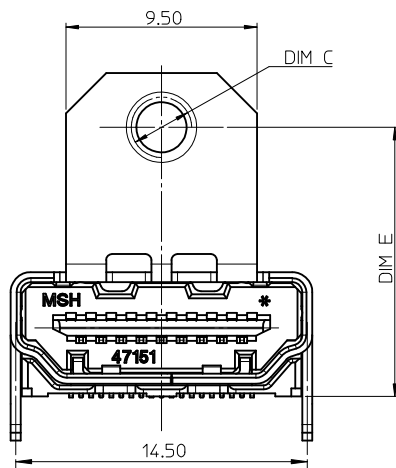
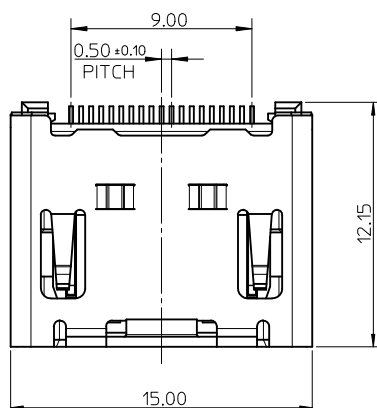
6. PRODUCT COMPLIANT TO RoHS DEIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC



RECOMMENDED PANEL CUT OUT DIMENSION



ADD PART NUMBER EC NO: SH2010-0164 DRWN:XZHZHANG CHKD:GLJ APPR:XJSONG 2009/10/20 2009/10/21 2009/11/30	REV	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_E=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE	MOLEX INCORPORATED	SHEET NO. 1 OF 8
					mm	INCH	DRAWN BY RZHANG	DATE 2004/07/20	DOCUMENT NO. SD-47151-001				
				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					
				ANGULAR ± 3 °		MATERIAL NO.							
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													



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

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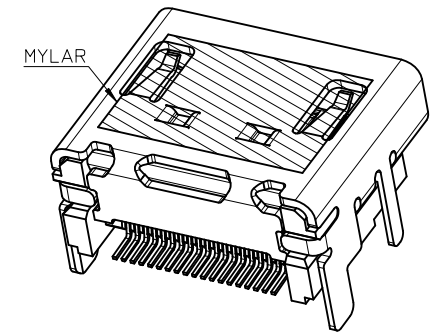
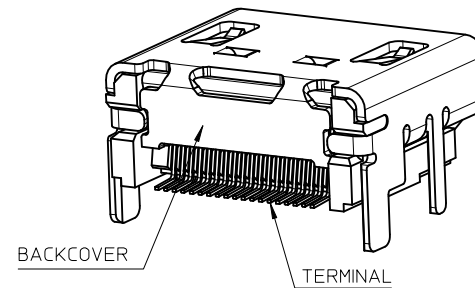
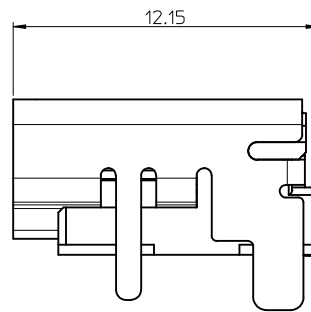
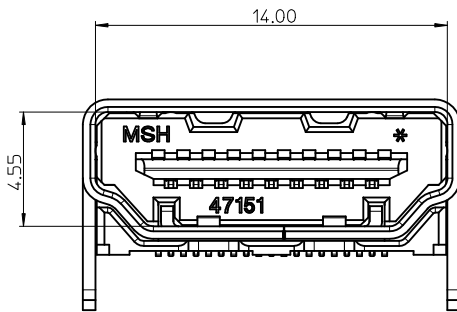
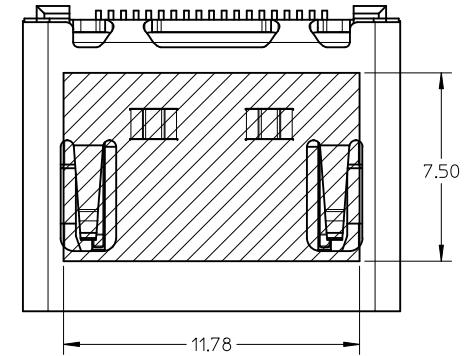
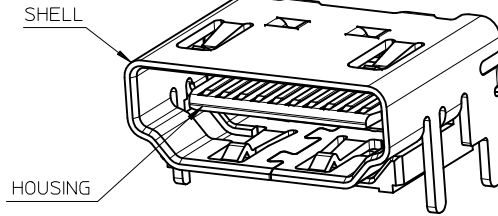
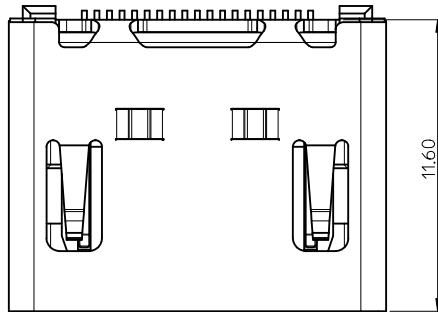
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WITH BACK COVER



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	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				
			mmINCH		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.		MOLEX INCORPORATED				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 7		SD-47151-001						
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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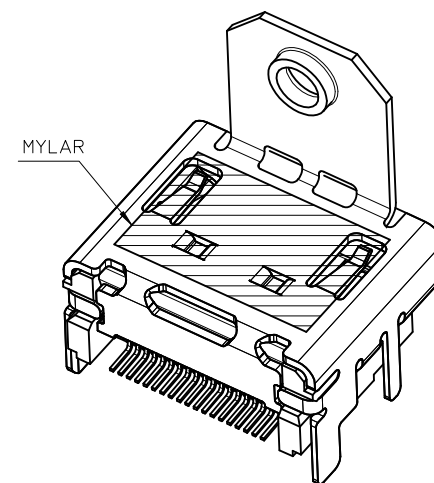
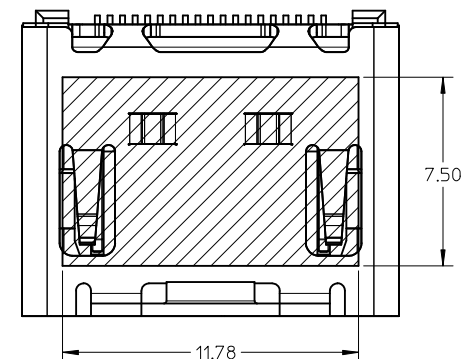
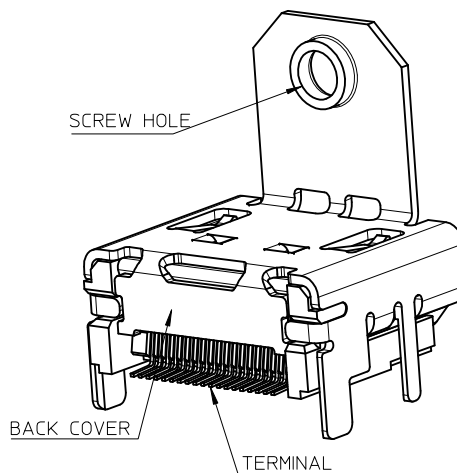
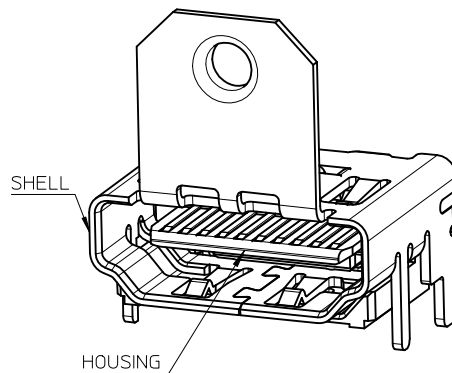
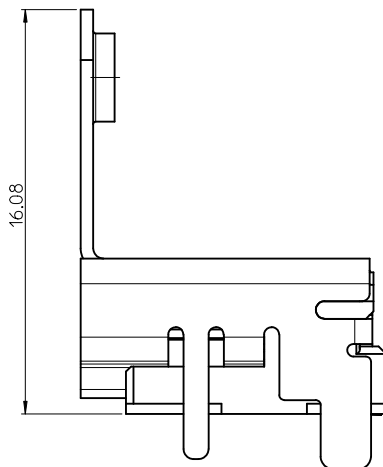
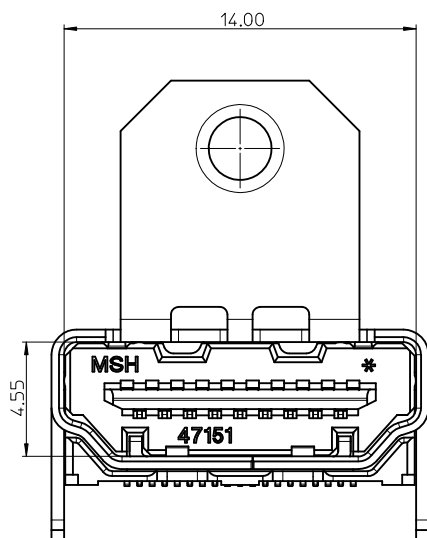
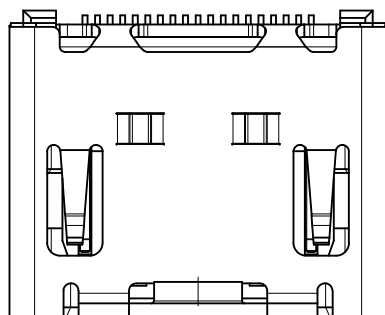
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WITH BACK COVER



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: XQZHANG
CHKD: GLL
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	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	

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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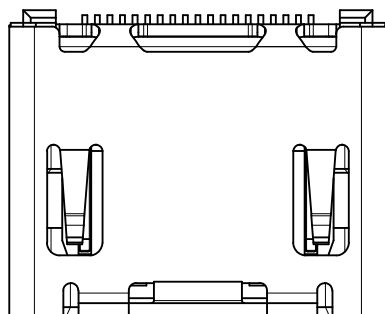
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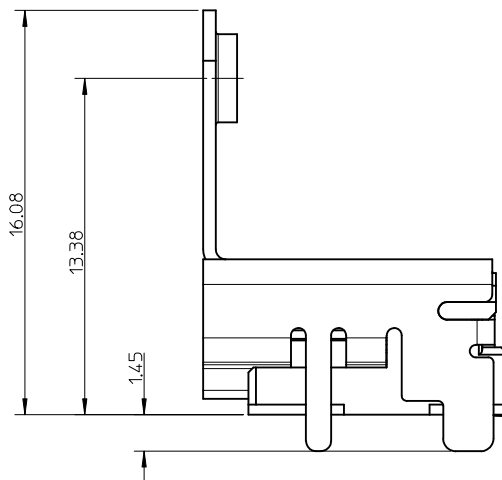
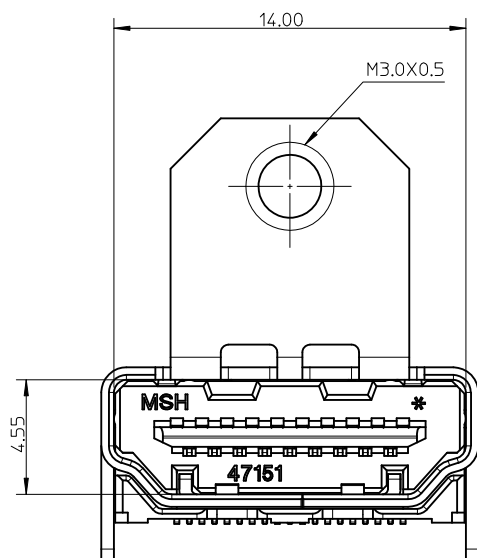
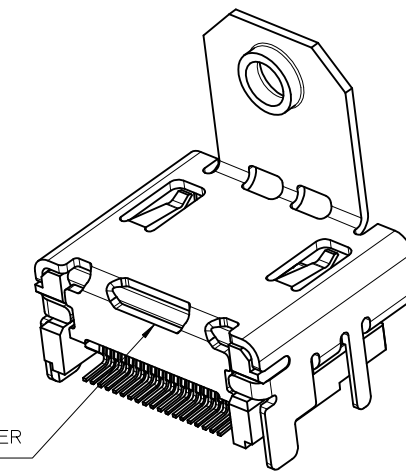
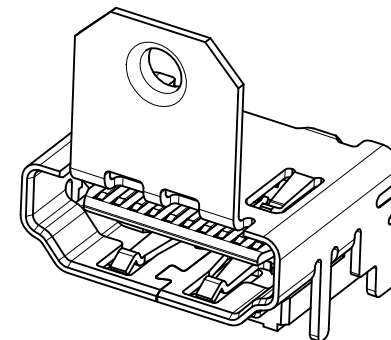
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WITHOUT TOP HOLE



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	± 0.25	± 0.010
3 PLACES	± 0.25	± 0.010
2 PLACES	± 0.25	± 0.010
1 PLACE	± 0.25	± 0.010
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	

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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 (a)</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 (b)</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 (a)</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 (b)</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="23">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 (a)</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 (b)</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 (a)</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 (b)</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 rowspan="3">W/O</td><td rowspan="3">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="3">SEE NOTE 2 (a)</td><td rowspan="10">SEE NOTE 2 (a)</td></tr><tr><td>47151-6062</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-6082</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-6102</td><td rowspan="4">1.45</td><td rowspan="4">1.45</td><td rowspan="4">M3.0X0.5</td><td rowspan="4">14.25</td><td rowspan="4">11.28</td><td rowspan="4">WITH</td><td rowspan="4">W/O</td><td rowspan="4">WITH</td><td rowspan="4">W/O</td><td rowspan="4">BLACK</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-6172</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-6162</td><td>SEE NOTE 2 (3)</td></tr><tr><td></td><td></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	47151-0001	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)	SEE NOTE 2 (a)	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	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 (a)	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	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 (a)	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	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 (a)	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	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)	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)			F
ASSEMBLY P/N	DIMENSION					FEATURE				HOUSING COLOUR	GOLD PLATING IN CONACT AREA		SHELL PLATING	REMARK																																																																																																																																																																																							
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A	<table><tr><td rowspan="10">SEE SHEET 1 EC NO: SH2010-0164 2009/10/20 DRWN:XZZHANG CHKD:GLL 2009/10/21 APPR:XJSONG 2009/11/30</td><td rowspan="10">REV</td><td rowspan="10">DESCRIPTION</td><td>QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE</td><td>SCALE</td><td>DESIGN UNITS</td><td rowspan="10"> THIRD ANGLE PROJECTION</td></tr><tr><td></td><td></td><td>MM ONLY</td><td>1:1</td><td>METRIC</td></tr><tr><td></td><td>mm</td><td>INCH</td><td>DRAWN BY</td><td>DATE</td><td rowspan="3">TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE</td></tr><tr><td></td><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>RZHANG</td><td>2004/07/20</td></tr><tr><td></td><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY</td><td>DATE</td></tr><tr><td></td><td>2 PLACES</td><td>± 0.25</td><td>± ---</td><td>GRMA</td><td>2004/07/20</td></tr><tr><td></td><td>1 PLACE</td><td>± 0.25</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td></tr><tr><td></td><td colspan="2">ANGULAR ± 3 °</td><td>YTYAP</td><td>2004/07/20</td><td rowspan="3">MOLEX INCORPORATED</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">MATERIAL NO.</td><td>DOCUMENT NO.</td></tr><tr><td colspan="2"></td><td colspan="2">SEE TABLE</td><td>SD-47151-001</td></tr><tr><td colspan="2"></td><td colspan="2">SIZE A3</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>											SEE SHEET 1 EC NO: SH2010-0164 2009/10/20 DRWN:XZZHANG CHKD:GLL 2009/10/21 APPR:XJSONG 2009/11/30	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			MM ONLY	1:1	METRIC		mm	INCH	DRAWN BY	DATE	TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE		4 PLACES	± ---	± ---	RZHANG	2004/07/20		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 INCORPORATED	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SEE TABLE		SD-47151-001			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		A																																																																																																																					
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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									SEE NOTE 2 (1)	BLACK	SEE NOTE 2 (2)			
47151-1071									SEE NOTE 2 (3)					
47151-1081									SEE NOTE 2 (1)					
47151-1011									SEE NOTE 2 (2)					
47151-1211									NATURE	SEE NOTE 2 (3)	SEE NOTE 2 (b)			
47151-1311										SEE NOTE 2 (1)				
47151-1021										SEE NOTE 2 (2)				
47151-1091										SEE NOTE 2 (3)				
47151-1031	BLACK	SEE NOTE 2 (1)												
47151-1101	NATURE	SEE NOTE 2 (2)												
47151-1141	1.45	1.45	/	/	/	W/O	WITH	WITH	W/O	BLACK	SEE NOTE 2 (1)	SEE NOTE 2 (a)		
47151-1151											SEE NOTE 2 (2)			
47151-1111											SEE NOTE 2 (3)			
47151-1161											SEE NOTE 2 (1)			
47151-1171									NATURE	SEE NOTE 2 (2)	SEE NOTE 2 (b)			
47151-1121										SEE NOTE 2 (3)				
47151-1131										SEE NOTE 2 (1)				
47151-7102										SEE NOTE 2 (2)				
47151-7142	1.45	1.45	M3.0x0.5	16.08	13.38	WITH	WITH	W/O	W/O	BLACK	SEE NOTE 2 (3)	SEE NOTE 2 (a)		FOR SHEET 5
47151-7162											SEE NOTE 2 (1)			

SEE SHEET 1 EC NO: SH2010-0164 DRAWN:XZHUANG CHKD:GILLI APPR:XJUSONG	DESCRIPTION	QUALITY SYMBOLS ▽E=0 ▽F=0 ▽B=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE	
				MM ONLY		1:1	METRIC	PROJECTION	
				DRAWN BY DATE		TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE			
				RZHANG 2004/07/20					
				CHECKED BY DATE		MOLEX MOLEX INCORPORATED			
				GRMA 2004/07/20					
APPROVED BY DATE		DOCUMENT NO.							
YTYAP 2004/07/20		SD-47151-001							
MATERIAL NO.		SHEET NO.							
SEE TABLE		7 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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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>47151-1002</td><td rowspan="10">1.80</td><td rowspan="10">2.20</td><td rowspan="10">M3.0X0.5</td><td rowspan="10">16.08</td><td rowspan="10">13.38</td><td rowspan="10">WITH</td><td rowspan="10">WITH</td><td rowspan="10">WITH</td><td rowspan="5">W/O</td><td rowspan="5">BLACK</td><td>SEE NOTE 2 (1)</td><td rowspan="10">SEE NOTE 2 (a)</td><td rowspan="39">FOR SHEET 4</td></tr><tr><td>47151-1042</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-1052</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-1062</td><td>SEE NOTE 2 (4)</td></tr><tr><td>47151-2062</td><td>WITH</td><td>BLACK</td><td>SEE NOTE 2 (4)</td></tr><tr><td>47151-1012</td><td rowspan="5">W/O</td><td rowspan="5">NATURE</td><td>SEE NOTE 2 (1)</td><td rowspan="5">SEE NOTE 2 (b)</td></tr><tr><td>47151-1072</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-1082</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-1022</td><td>BLACK</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-1032</td><td>NATURE</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-1102</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">WITH</td><td rowspan="8">WITH</td><td rowspan="8">W/O</td><td>SEE NOTE 2 (1)</td><td rowspan="8">SEE NOTE 2 (a)</td></tr><tr><td>47151-1142</td><td>SEE NOTE 2 (2)</td></tr><tr><td>47151-1152</td><td>SEE NOTE 2 (3)</td></tr><tr><td>47151-1112</td><td>SEE NOTE 2 (1)</td></tr><tr><td>47151-1162</td><td rowspan="4">NATURE</td><td>SEE NOTE 2 (2)</td><td rowspan="4">SEE NOTE 2 (b)</td></tr><tr><td>47151-1172</td><td>SEE NOTE 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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)	SEE NOTE 2 (b)	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)	47151-1102	1.45	1.45	M3.0X0.5	16.08	13.38	WITH	WITH	WITH	W/O	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	SEE NOTE 2 (1)	SEE NOTE 2 (a)	47151-1045	SEE NOTE 2 (2)	47151-1065	SEE NOTE 2 (3)	47151-1015	SEE NOTE 2 (1)	47151-1035	NATURE	SEE NOTE 2 (2)	47151-1055	SEE NOTE 2 (3)	47151-1025	WITH	SEE NOTE 2 (1)	SEE NOTE 2 (b)	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	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	SEE NOTE 2 (1)	47151-6142	1.45	1.45							W/O	SEE NOTE 2 (2)	47151-6152	SEE NOTE 2 (3)	F
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