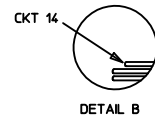
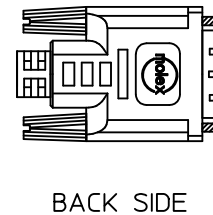
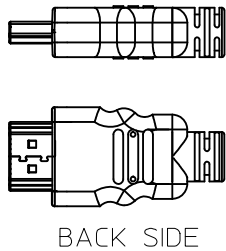
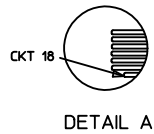
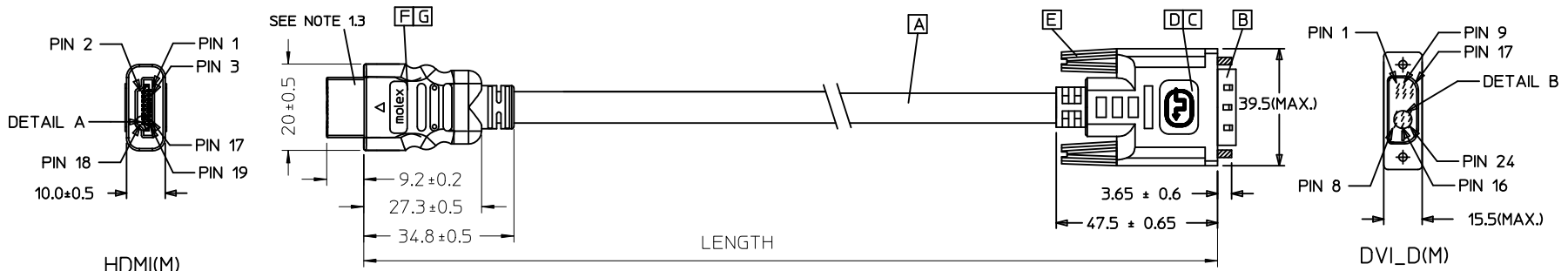


REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
CY11-6913	2011/06/30	B	UPDATE DESCRIPTION OF 687670031 CHANGE BOM ONLY FOR PN 687670031	JLIU13



MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD
687670031	HDMI (M) TO DVI-D(M) 5M CABLE 28#AWG	5000 * 100	BLACK	7.3MM(ITMDS - AWG#28)
687670030	HDMI TO DVI-D(M) GOLD 3M CABLE	3000 * 50	BLACK	7.3MM(ITMDS - AWG#28)
687670029	HDMI TO DVI-D(M) GOLD 2M CABLE	2000 * 30	BLACK	7.3MM(ITMDS - AWG#28)
687670028	HDMI TO DVI-D(M) GOLD 1M CABLE	1000 * 30	BLACK	7.3MM(ITMDS - AWG#28)

<b>ENTER DESCRIPTION</b> EC NO: DG2012-0060 DRWN: FZHANG01 CHKD: JLIU13 APPR: ZXDENG	2011/07/21	2011/07/21	2011/07/22
	2011/07/21	2011/07/21	2011/07/22
	2011/07/21	2011/07/21	2011/07/22
	2011/07/21	2011/07/21	2011/07/22
	2011/07/21	2011/07/21	2011/07/22

<b>QUALITY SYMBOLS</b> ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
	4 PLACES	± --- ± ---
	3 PLACES	± --- ± ---
	2 PLACES	± --- ± ---
1 PLACE	± --- ± ---	
ANGULAR ± ---°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE		SCALE	DESIGN UNITS
MM ONLY		---	METRIC
DRAWN BY	DATE	TITLE	
FZHANG01	2011/05/06	HDMI(M) TO DVI-D(M) CABLE ASS'Y	
CHECKED BY	DATE		
JFZHENG	2011/05/06		
APPROVED BY	DATE		
ZXDENG	2011/07/22		
MATERIAL NO.		DOCUMENT NO.	SHEET NO.
687670028/29/30/31		SD-68767-0028-0031	1 OF 2

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

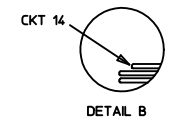
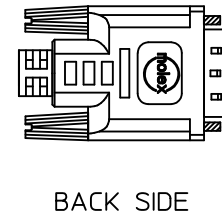
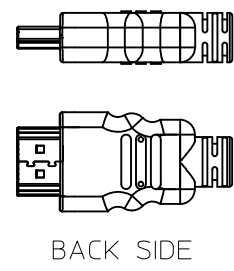
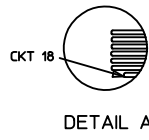
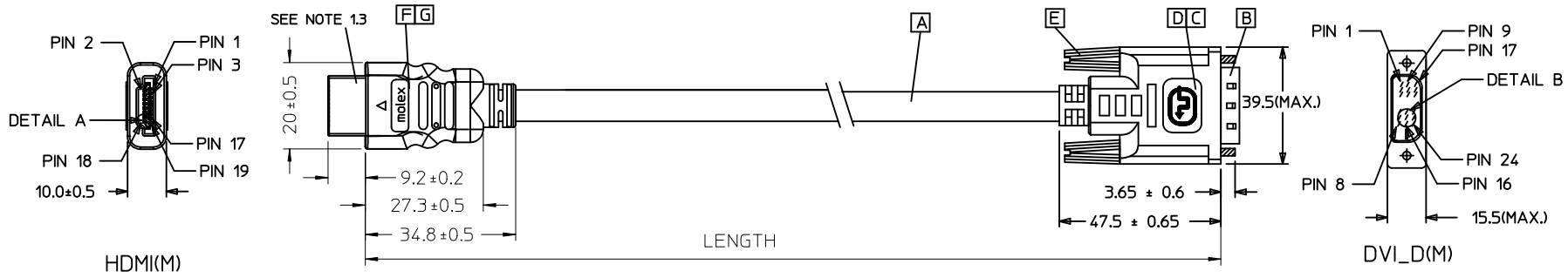
- NOTE:
- OVEMROLD SPECIFICATION:
    - DVI BOOT MOLDED SNOW WHITE PVC RESIN ,UL94V-0.
    - HDMI INNERMOLD WITH BK PVC  
HDMI OVERMOLD WITH PVC
    - HDMI DUST COVER WITH PE
  - PRODUCT ELECTRICAL SPECIFICATION:  
REFER TO HDMI ELECTRICAL SPECIFICATION FOR DETAILS.
  - DVI CONNECTOR SPECIFICATION:
    - REFER TO PRODUCT SPEC. PS74320-001
    - CONTACT PLATING: AU FLASH.
  - THIS PRODUCT MUST MEET THE EU RoHS CHEMICAL SUBSTANCES SPECIFICATION FOR PRODUCTS ( EU 2002/95/EC ).

SHIELD	SHIELD	OVERALL SHIELD	GROUND
PIN 19	PIN 16	WHITE	HOT PLUG DETECT
PIN 18	PIN 14	YELLOW	POWER +5V
PIN 17	PIN 15	ORANGE	GROUND(+5V&DDC)
PIN 16	PIN 7	RED	DDC DATA(SDA)
PIN 15	PIN 6	VIOLET	DDC CLOCK(SCL)
PIN 12	PIN 24	WHITE	TMDS CLOCK-
PIN 11	PIN 22	BRAID	TMDS CLOCK SHIELD
PIN 10	PIN 23	BROWN	TMDS CLOCK+
PIN 9	PIN 17	WHITE	TMDS DATA 0-
PIN 8	PIN 19	BRAID	TMDS DATA 0 SHIELD
PIN 7	PIN 18	BLUE	TMDS DATA 0+
PIN 6	PIN 9	WHITE	TMDS DATA 1-
PIN 5	PIN 11	BRAID	TMDS DATA 1 SHIELD
PIN 4	PIN 10	GREEN	TMDS DATA 1+
PIN 3	PIN 1	WHITE	TMDS DATA 2-
PIN 2	PIN 3	BRAID	TMDS DATA 2 SHIELD
PIN 1	PIN 2	RED	TMDS DATA 2+
HDMI	DVI-D	COLOR	CABLE FUNCTION

ITEM	DESCRIPTION	QTY.
G	Metal Shell For HDMI 19P Male (Only for 687670031)	1
	Metal Shell For HDMI 19P Male,Gold flash (Only for 687670028-30)	1
F	HDMI 19P MALE,30U"Au Solder Type	1
E	DVI THUMB SCREW GOLD PLATED.	2
D	PCB	1
C	ONE BODY CAN	1
B	DVI-D Au flash sub-Assy (Only for 687670031)	1
	DVI_D SINGLE CHANNEL G/F CONNECTOR (Only for 687670028-30)	1
A	(4P+1P+3C)28,SHLD,PVC,BK;7.30,UL20276DVI	1

ENTER DESCRIPTION EC NO: DG2012-0060 DRWN:FZHANG01 2011/07/21 CHKD:JLU13 2011/07/21 APPR:ZXDENG 2011/07/22	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY FZHANG01	DATE 2011/05/06	TITLE HDMI(M) TO DVI-D(M) CABLE ASS'Y		
		4 PLACES	± ---	± ---	CHECKED BY JFZHENG	DATE 2011/05/06	MOLEX INCORPORATED		
		3 PLACES	± ---	± ---	APPROVED BY ZXDENG	DATE 2011/07/22	DOCUMENT NO. SD-68767-0028-0031		SHEET NO. 2 OF 2
		2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
		1 PLACE	± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		ANGULAR ± ---°							

7 6 5 4 3 2 1



687670031	HDMI TO DVI-D(M) GOLD 5M CABLE	5000 ± 100	BLACK	7.3MM(TMDS - AWG#28)
687670030	HDMI TO DVI-D(M) GOLD 3M CABLE	3000 ± 50	BLACK	7.3MM(TMDS - AWG#28)
687670029	HDMI TO DVI-D(M) GOLD 2M CABLE	2000 ± 30	BLACK	7.3MM(TMDS - AWG#28)
687670028	HDMI TO DVI-D(M) GOLD 1M CABLE	1000 ± 30	BLACK	7.3MM(TMDS - AWG#28)
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD

<b>ENTER DESCRIPTION</b> EC NO: DG2011-0446 DRWN:FZHANG01 CHKD:PH ZHU APPR:ZXDENG	2011/05/06 2011/05/06 2011/05/11	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ----	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY FZHANG01	DATE 2011/05/06	TITLE HDMI(M) TO DVI-D(M) CABLE ASS'Y			
			4 PLACES	± ---	± ---	CHECKED BY JFZHENG	DATE 2011/05/06				
			3 PLACES	± ---	± ---	APPROVED BY ZXDENG	DATE 2011/05/11				
2 PLACES	± ---	± ---	ANGULAR ± ---°		MATERIAL NO. 6876700XX		MOLEX INCORPORATED		SHEET NO. 1 OF 2		
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NO. SD-68767-00XX		MOLEX INCORPORATED				
A	REV				SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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## NOTE:

## 1. OVERMOLD SPECIFICATION:

1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN

1.2 HDMI INNERMOLD WITH BK PVC

HDMI OVERMOLD WITH PVC

1.3 HDMI DUST COVER WITH PE

## 2. PRODUCT ELECTRICAL SPECIFICATION:

REFER TO HDMI SPECIFICATION

## 3. DVI CONNECTOR SPECIFICATION

3.1 REFER TO PRODUCT SPEC. PS74320-00



3.2 CONTACT PLATING: AU FLASH.

## 4. THIS PRODUCT MUST MEET THE EU RoHS CHEMICAL SUBSTANCES SPECIFICATION FOR PRODUCTS ( EU 2002/95/EC ).

SHIELD	SHIELD	OVERALL SHIELD	GROUND
PIN 19	PIN 16	WHITE	HOT PLUG DETECT
PIN 18	PIN 14	YELLOW	POWER +5V
PIN 17	PIN 15	ORANGE	GROUND(+5V&DDC)
PIN 16	PIN 7	RED	DDC DATA(SDA)
PIN 15	PIN 6	VIOLET	DDC CLOCK(SCL)
PIN 12	PIN 24	WHITE	TMDS CLOCK-
PIN 11	PIN 22	BRAID	TMDS CLOCK SHIELD
PIN 10	PIN 23	BROWN	TMDS CLOCK+
PIN 9	PIN 17	WHITE	TMDS DATA 0-
PIN 8	PIN 19	BRAID	TMDS DATA 0 SHIELD
PIN 7	PIN 18	BLUE	TMDS DATA 0+
PIN 6	PIN 9	WHITE	TMDS DATA 1-
PIN 5	PIN 11	BRAID	TMDS DATA 1 SHIELD
PIN 4	PIN 10	GREEN	TMDS DATA 1+
PIN 3	PIN 1	WHITE	TMDS DATA 2-
PIN 2	PIN 3	BRAID	TMDS DATA 2 SHIELD
PIN 1	PIN 2	RED	TMDS DATA 2+
HDMI	DVI-D	COLOR	CABLE FUNCTION

G	Metal Shell For HDMI 19P Male,Gold flash	1
F	HDMI 19P MALE,30U"Au Solder Type	1
E	DVI THUMB SCREW GOLD PLATED.	2
D	PCB	1
C	ONE BODY CAN	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR	1
A	(4P+1P+3C)28,SHLD,PVC,BK,7.30,UL20276DVI	1
ITEM	DESCRIPTION	QTY.

ENTER DESCRIPTION  
 EC NO: DG2011-0446  
 DRWN:FZHANG01 2011/05/06  
 CHKD:PH ZHU 2011/05/06  
 APPR:ZXDENG 2011/05/11

QUALITY SYMBOLS  
 =0  
 =0

GENERAL TOLERANCES (UNLESS SPECIFIED)


	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ± ---°		

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS


DIMENSION STYLE  
MM ONLY

DRAWN BY	DATE
FZHANG01	2011/05/06
CHECKED BY	DATE
JFZHENG	2011/05/06
APPROVED BY	DATE
ZXDENG	2011/05/11

MATERIAL NO. 6876700XX

SCALE ---  
 DESIGN UNITS METRIC  
 THIRD ANGLE PROJECTION

TITLE  
HDMI(M) TO DVI-D(M)  
CABLE ASS'Y

 MOLEX INCORPORATED

DOCUMENT NO. SD-68767-00XX  
 SHEET NO. 2 OF 2

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

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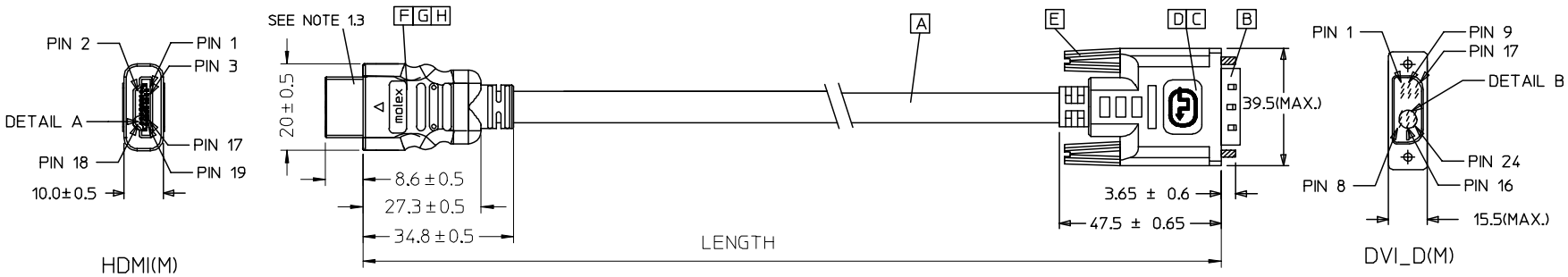
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E

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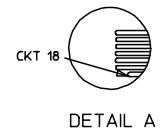


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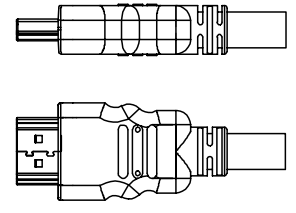
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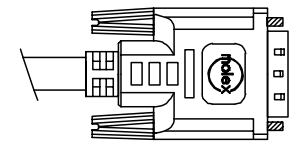
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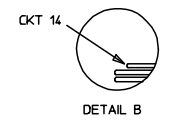
DETAIL A



BACK SIDE



BACK SIDE



DETAIL B

B

B

68767-0031	HDMI TO DVI-D(M) GOLD 5M CABLE	5000 ± 100	BLACK	7.3MM(TMDS - AWG#28)	887808276
68767-0030	HDMI TO DVI-D(M) GOLD 3M CABLE	3000 ± 50	BLACK	7.3MM(TMDS - AWG#28)	887808276
68767-0029	HDMI TO DVI-D(M) GOLD 2M CABLE	2000 ± 30	BLACK	7.3MM(TMDS - AWG#28)	887808276
68767-0028	HDMI TO DVI-D(M) GOLD 1M CABLE	1000 ± 30	BLACK	7.3MM(TMDS - AWG#28)	887808276
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

A

A

Released EC NO: DG2007-0029 DRWN: JFZHENG 2006/09/08 CHKD: JFZHENG 2006/09/08 APPR: DQLUO 2006/09/11	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES	± ---	± ---	DRAWN BY JFZHENG	DATE 2006/09/08	TITLE HDMI(M) TO DVI(M) GOLD CABLE 28#AWG			
		3 PLACES	± ---	± ---	CHECKED BY JFZHENG	DATE 2006/09/08	MOLEX INCORPORATED			
		2 PLACES	± ---	± ---	APPROVED BY DQLUO	DATE 2006/09/08	MATERIAL NO. 6876728/29/30/31	DOCUMENT NO. SD-68767-028	SHEET NO. 1 OF 2	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
1 PLACE	± ---	± ---	ANGULAR ± ---°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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NOTE:

1. OVERMOLD SPECIFICATION:

- 1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN 887800076,UL94V-0.
- 1.2 HDMI INNERMOLD WITH BK PVC 887800019.  
HDMI OVERMOLD WITH PVC 887800150.
- 1.3 HDMI DUST COVER WITH PE 887800008.

2. MECHANICAL SPECIFICATION:

- 2.1 CABLE SHOULD STAND THE PULL FORCE 89-111N FOR 30 SECONDS WITH NO VISIBLE TERMINATION DAMAGE.
- 2.2 CABLE SHOULD PASS THE FLEX TEST IN 100 CYCLES AT EACH OF PLANES, PER EIA 364-41, CONDITION 1.

3. PRODUCT ELECTRICAL SPECIFICATION:

- 3.1 DIELECTRIC STRENGTH.
- 3.2 INSULATION RESISTANCE.
- 3.3 CONDUCTIVE RESISTANCE.
- 3.4 TMDS Signals Time Domain Impedence
- 3.5 TMDS Signals Time Domain Crosstalk:FEXT
- 3.6 TMDS Signals Skew
- 3.7 Attenuation

REFER TO ES-002 ELECTRICAL SPECIFICATION FOR DETAILS.

4. DVI CONNECTOR SPECIFICATION:

- 4.1 REFER TO PRODUCT SPEC. PS74320-001.
- 4.2 CONTACT PLATING: AU FLASH.

5. THIS PRODUCT MUST MEET ROHS COMPLIANCE.

SHIELD	SHIELD	OVERALL SHIELD	GROUND
PIN 19	PIN 16	WHITE	HOT PLUG DETECT
PIN 18	PIN 14	YELLOW	POWER +5V
PIN 17	PIN 15	ORANGE	GROUND(+5V&DDC)
PIN 16	PIN 7	RED	DDC DATA(SDA)
PIN 15	PIN 6	VIOLET	DDC CLOCK(SCL)
PIN 12	PIN 24	WHITE	TMDS CLOCK-
PIN 11	PIN 22	BRAID	TMDS CLOCK SHIELD
PIN 10	PIN 23	BROWN	TMDS CLOCK+
PIN 9	PIN 17	WHITE	TMDS DATA 0-
PIN 8	PIN 19	BRAID	TMDS DATA 0 SHIELD
PIN 7	PIN 18	BLUE	TMDS DATA 0+
PIN 6	PIN 9	WHITE	TMDS DATA 1-
PIN 5	PIN 11	BRAID	TMDS DATA 1 SHIELD
PIN 4	PIN 10	GREEN	TMDS DATA 1+
PIN 3	PIN 1	WHITE	TMDS DATA 2-
PIN 2	PIN 3	BRAID	TMDS DATA 2 SHIELD
PIN 1	PIN 2	RED	TMDS DATA 2+
HDMI	DVI-D	COLOR	CABLE FUNCTION

ITEM	DESCRIPTION	QTY.
H	HDMI SMALL METAL PLATE 47152-6009	1
G	HDMI METAL CAN GOLD PLATED 47152-4002	1
F	HDMI HOUSING ASSY' BLACK 47152-1000	1
E	DVI THUMB SCREW GOLD PLATED. 172000522	2
D	PCB 887899569/887899570	1
C	ONE BODY CAN 887899392	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 172000443	1
A	DVI SINGLE LINK CABLE 8878008276	1

Released EC NO: DG2007-0029 DRWN: JFZHENG 2006/09/08 CHKD: JFZHENG 2006/09/08 APPR: DQ LUO 2006/09/11	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES	±---	±---	DRAWN BY	DATE	TITLE			
		3 PLACES	±---	±---	JFZHENG	2006/09/08	HDMI(M) TO DVI(M) GOLD CABLE 28AWG			
2 PLACES	±---	±---	CHECKED BY	DATE						
1 PLACE	±---	±---	JF ZHENG	2006/09/08						
ANGULAR ±---°		APPROVED BY		DATE	MOLEX MOLEX INCORPORATED					
		DQ LUO		2006/09/08						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.	SHEET NO.					
		68767-00-28/29/30		SD-68767-029	2 OF 2					
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		A 4								