

6

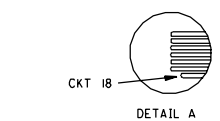
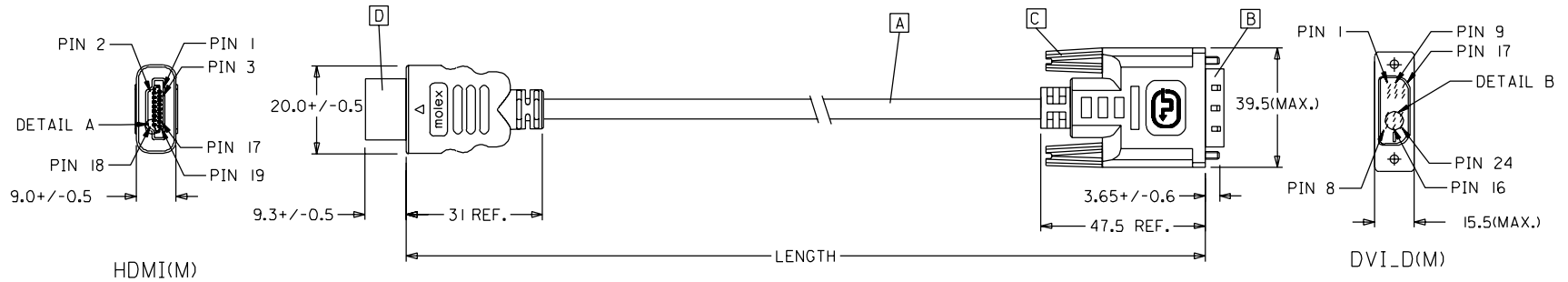
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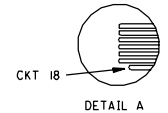
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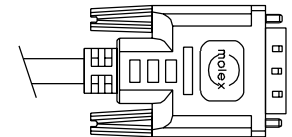
HDMI(M)



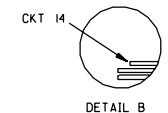
DETAIL A



BACK SIDE



BACK SIDE



DETAIL B

MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD
88768-3620	HDMI TO DVI-D(M) CABLE ASS'Y,3M	3000+/-80	BLACK	5.5MM(TMDS - AWG*30)
88768-3610	HDMI TO DVI-D(M) CABLE ASS'Y,2M	2000+/-60	BLACK	5.5MM(TMDS - AWG*30)
88768-3600	HDMI TO DVI-D(M) CABLE ASS'Y,1M	1000+/-30	BLACK	5.5MM(TMDS - AWG*30)
88768-3530	HDMI TO DVI-D(M) CABLE ASS'Y,5M	5000+/-100	BLACK	7.3MM(TMDS - AWG*28)
88768-3520	HDMI TO DVI-D(M) CABLE ASS'Y,3M	3000+/-80	BLACK	7.3MM(TMDS - AWG*28)
88768-3510	HDMI TO DVI-D(M) CABLE ASS'Y,2M	2000+/-60	BLACK	7.3MM(TMDS - AWG*28)
88768-3500	HDMI TO DVI-D(M) CABLE ASS'Y,1M	1000+/-30	BLACK	7.3MM(TMDS - AWG*28)

EC NO. DRWN: CHK: APPR: C	DESCRIPTION REV	QUALITY SYMBOLS MAJOR ▼ = 0 CRITICAL ▽ = 0	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE N.S.T <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION	<input type="checkbox"/> mm <input type="checkbox"/> INCH <input checked="" type="checkbox"/> mm ONLY	SHT REV REVISE ON CAD ONLY
		4 PLACES ±0. ±. 3 PLACES ±0. ±. 2 PLACES ±0. ±. 1 PLACE ±0. ±.	mm INCH mm INCH	DRAWN BY & DATE Louis Chen 03/11/17	TITLE: HDMI(M) TO DVI-D(M) CABLE ASS'Y				
		ANGULAR: ± °	CAD FILENAME S88768AA.SOI	MATERIAL NO. SEE TABLE	DRAWING NO. SD-88768-001	SHEET NO. 1 OF 2			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE A4		

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1

NOTE: 1. OVERMOLD SPECIFICATION

1.1 DVI BOOT MOLDED WITH SNOW WHITE PVC RESIN P/N.

1.1.1 UL94V-0

1.1.2 HARDNESS (DUROMETER): SHORE A 90-95

1.2 HDMI OUTER MOLD WITH BLACK PVC RESIN. UL94V-0.

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. CABLE ELECTRICAL SPECIFICATION

3.1 DIELECTRIC STRENGTH: 300V AC FOR 10MS.

3.2 INSULATION RESISTANCE: 10 MEGA Ohms MIN.

3.3 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE: 100+/-10 Ohms @TDR.

3.4 CONTACT RESISTANCE: 2 OHMS(MAX.).

3.5 SIGNALS CROSSTALK(FEXT): 5% (MAX.) PER ANSI/EIA-364-90.


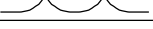






3.6 SIGNALS INTRA-PAIR SKEW : <150 ps.

4. DVI CONNECTOR SPECIFICATION


4.1 REFER TO PRODUCT SPEC. PS74320-0001.

4.2 CONTACT PLATING: AU FLASH.

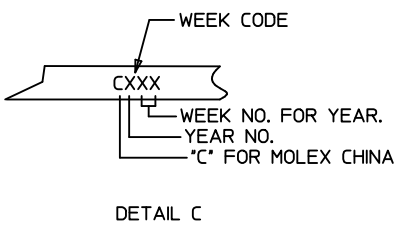
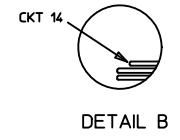
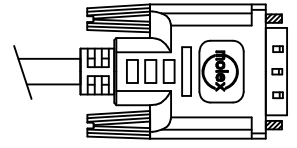
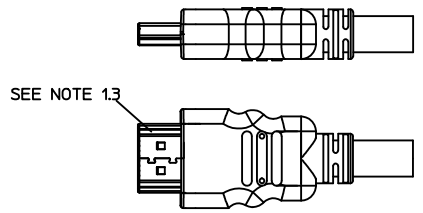
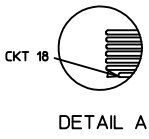
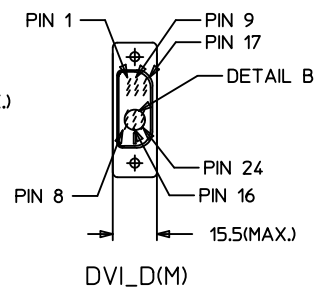
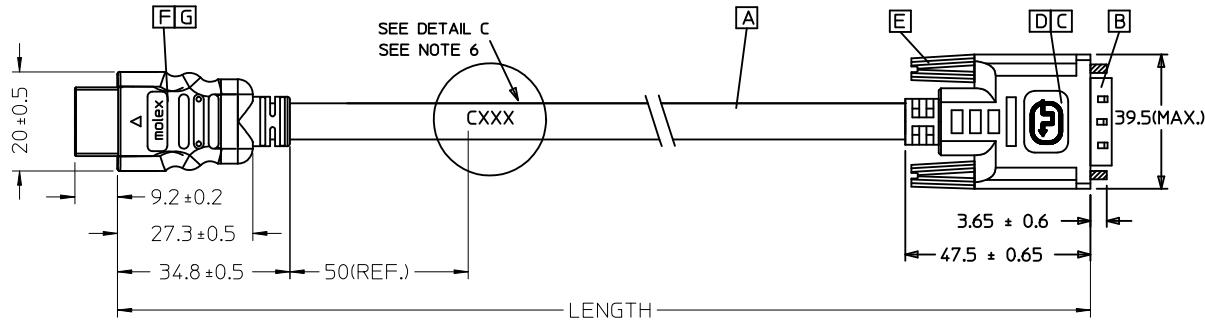
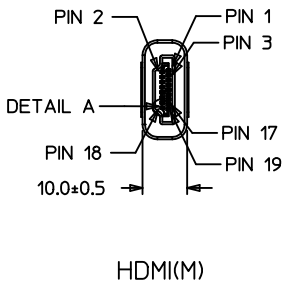
5. MATERIAL MUST MEET MANAGEMENT REGULATIONS FOR ENVIRONMENT (MX TS-0002).

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

D	HDMI PLUG ASSY'	1
C	DVI THUMB SCREW	2
B	DVI_D SINGLE CHANNEL G/F CONNECTOR	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1
ITEM	DESCRIPTION	QTY.

EC NO. C	DRWN: CHK: APPR:	DESCRIPTION REV	QUALITY SYMBOLS MAJOR ▼ = 0 CRITICAL ▽ = 5	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE N.S.T	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION 	<input type="checkbox"/> mm INCH <input type="checkbox"/> mm ONLY	SHT	REV
				4 PLACES ±0.	±.	DRAWN BY & DATE Louis Chen 03/11/17	TITLE: HDMI(M) TO DVI-D(M) CABLE ASS'Y			REVISION ON CAD ONLY	
				3 PLACES ±0.	±.	CHECKED BY & DATE Teddy Kan 03/11/17	APPROVED BY & DATE Boron Chen 03/11/17				
				2 PLACES ±0.	±.	CAD FILENAME S88768AA.S02		MATERIAL NO. SEE TABLE	DRAWING NO. SD-88768-001	SHEET NO. 2 OF 2	
				1 PLACE ±0.	±.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					
				ANGULAR: ± °		SIZE A4					

7 6 5 4 3 2 1



887683630	HDMI TO DVI-D(M) CABLE ASS'Y,5M	5000 ± 100	BLACK	5.5MM(TMS - AWG#30)	887808273
887683620	HDMI TO DVI-D(M) CABLE ASS'Y,3M	3000 ± 80	BLACK	5.5MM(TMS - AWG#30)	887808273
887683610	HDMI TO DVI-D(M) CABLE ASS'Y,2M	2000 ± 60	BLACK	5.5MM(TMS - AWG#30)	887808273
887683600	HDMI TO DVI-D(M) CABLE ASS'Y,1M	1000 ± 30	BLACK	5.5MM(TMS - AWG#30)	887808273
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

ENTER DESCRIPTION EC NO: DG2011-0441 DRWN:FZHANG01 CHKD:JLIU13 APPR:ZXDENG 2011/05/04 2011/05/04 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	DATE	TITLE HDMI(M) TO DVI-D(M) CABLE ASS'Y		
		4 PLACES	± ---	± ---	FZHANG01	2011/05/04			
		3 PLACES	± ---	± ---	CHECKED BY	DATE			
2 PLACES	± ---	± ---	YHXU	2011/05/04	MOLEX INCORPORATED		SHEET NO. 1 OF 2		
1 PLACE	± ---	± ---	APPROVED BY	DATE					
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 8876836xx		DOCUMENT NO. SD-88768-36XX			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									


6 5 4 3 2 1

NOTE:

1. OVERMOLD SPECIFICATION:
 - 1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN UL94V-0.
 - 1.2 HDMI INNER MOLDED WITH PVC RESIN
HDMI OUTER MOLDED WITH PVC RESIN
 - 1.3 DUST COVER MOLDED WITH PE
2. THE CODE PLEASE BE PRINTED ON THE SPACE
3. PRODUCT ELECTRICAL SPECIFICATION:
 - 3.1 HI-POT VOLTAGE: 300V DC FOR 10mS
 - 3.2 INSULATION RESISTANCE: 10 MEGA Ohms MIN.
 - 3.3 CONTACT RESISTANCE: 2 OHMS MAX. FOR 1&2&3M; 3 OHMS MAX. FOR 5M.
 - 3.4 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE) : 100± 10 Ohms @TDR.
 - 3.5 SIGNALS CROSSTALK (FEET) : 5% (MAX.) PER ANSI/EIA-364-90.
 - 3.6 SIGNALS INTRA-PAIR SKEW(PER CABLE): <150PS.
4. DVI CONNECTOR SPECIFICATION:
 - 4.1 REFER TO PRODUCT SPEC. PS74320-001
 - 4.2 CONTACT PLATING: AU FLASH.
5. THIS PRODUCT MUST MEET EU CHEMICAL SUBSTANCE 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

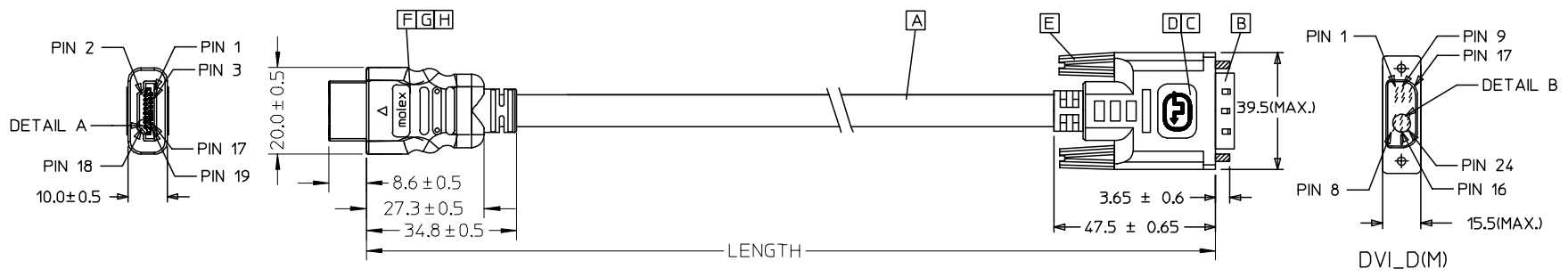
ITEM	DESCRIPTION	QTY.
G	Metal Shell For HDMI 19P Male	1
F	HDMI 19P MALE,30U"Au Solder Type	1
E	DVI THUMB SCREW	2
D	PCB	1
C	ONE BODY CAN	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1

ENTER DESCRIPTION EC NO: DG2011-0441 DRWN:FZHANG01 CHKD:JLUI13 APPR:ZXDENG	2011/05/04 2011/05/04 2011/05/11	DESCRIPTION QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
							DRAWN BY DATE FZHANG01 2011/05/04		TITLE HDMI(M) TO DVI-D(M) CABLE ASS'Y			
							CHECKED BY DATE YHXU 2011/05/04		 MOLEX INCORPORATED			
							APPROVED BY DATE ZXDENG 2011/05/11					
				ANGULAR ±---°		SIZE A 4		SHEET NO. 2 OF 2				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

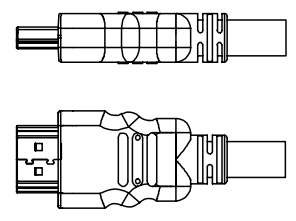
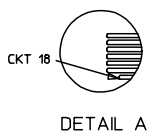
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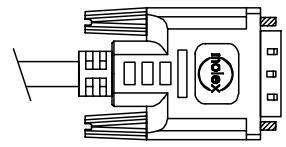
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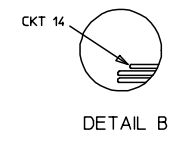
HDMI(M)



BACK SIDE



BACK SIDE



DETAIL B

88768-3630	HDMI TO DVI-DIM) CABLE ASSY,5M	5000 ± 100	BLACK	5.5MMITMDS - AWG#30)	887808273
88768-3620	HDMI TO DVI-DIM) CABLE ASSY,3M	3000 ± 80	BLACK	5.5MMITMDS - AWG#30)	887808273
88768-3610	HDMI TO DVI-DIM) CABLE ASSY,2M	2000 ± 60	BLACK	5.5MMITMDS - AWG#30)	887808273
88768-3600	HDMI TO DVI-DIM) CABLE ASSY,1M	1000 ± 30	BLACK	5.5MMITMDS - AWG#30)	887808273
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: APPR: DQLUO	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			mm	INCH	MM ONLY		---		METRIC
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE		
		3 PLACES	± ---	± ---	JFZHENG	2005/12/27	30# HDMI TO DVI CABLE ASSY		
		2 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
1 PLACE	± ---	± ---	JFZHENG	2005/12/27	MATERIAL NO.				
			ANGULAR ±1/2°		DQLUO	2005/12/27	DOCUMENT NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		8876836XX		SD-887683600		
					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
					A/4				
						SHEET NO. 1 OF 2			

6 5 4 3 2 1

OTE:

1. OVMEMOLD SPECIFICATION:
 - 1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN 887800076E~UL94V-0.
 - 1.2 HDMI INNERMOLD WITH BK PVC 887800019.
HDMI OVERMOLD WITH PVC 887800150.
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. CABLE CONSTRUCTION
(AWG#30*1P+D)*4 + AWG#30*1P + AWG#28*3C, 5.5MMOD'
5. DVI CONNECTOR SPECIFICATION
 - 5.1 REFER TO PRODUCT SPEC. PS74320-001
 - 5.2 CONTACT PLATING
6. 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

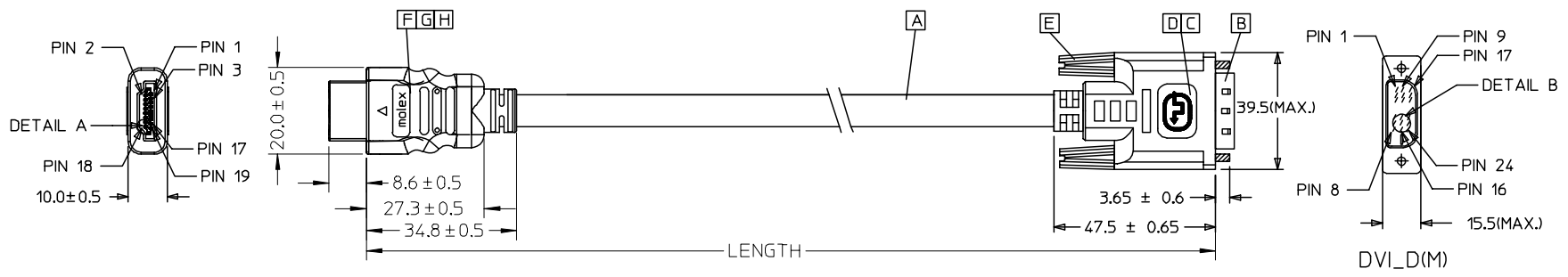
ITEM	DESCRIPTION	QTY.
H	SMALL METAL PLATED 47152-6009	1
G	HDMI METAL CAN 47152-4001	1
F	HDMI HOUSING ASSY' 47152-1100	1
E	DVI THUMB SCREW 887806077	2
D	PCB 887899569/887899570	1
C	ONE BODY CAN 887899396	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: APPR: DQLUO	2005/12/27 2005/12/30 2006/01/16	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=5	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE				
				3 PLACES	± ---	± ---	JFZHENG	2005/12/27	30# HDMI TO DVI CABLE ASSY				
2 PLACES	± ---	± ---	CHECKED BY	DATE									
1 PLACE	± ---	± ---	JFZHENG	2005/12/27	MOLEX INCORPORATED								
ANGULAR ±1/2°			APPROVED BY	DATE									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DQLUO	2005/12/27	MATERIAL NO.	DOCUMENT NO.	SHEET NO.						
					887683600	SD-887683600	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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E

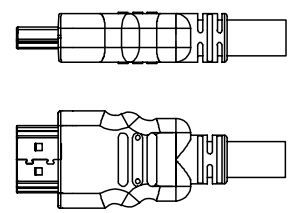
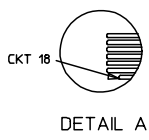
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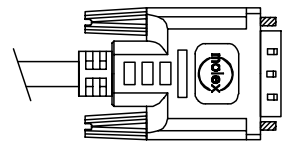
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D

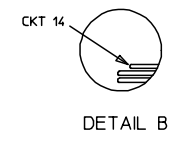
HDMI(M)



BACK SIDE



BACK SIDE



DETAIL B

B

B

88768-3630	HDMI TO DVI-D(M) CABLE ASSY,5M	5000 ± 100	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3620	HDMI TO DVI-D(M) CABLE ASSY,3M	3000 ± 80	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3610	HDMI TO DVI-D(M) CABLE ASSY,2M	2000 ± 60	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3600	HDMI TO DVI-D(M) CABLE ASSY,1M	1000 ± 30	BLACK	5.5MM(TMDS - AWG#30)	887808273
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

A

A

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: APPR: DQLUO	2005/12/27 2005/12/30 2006/01/16	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <td></td> <td>mm</td> <td>INCH</td> </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>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH																		
			4 PLACES	± ---	± ---																		
			3 PLACES	± ---	± ---																		
2 PLACES	± ---	± ---																					
1 PLACE	± ---	± ---																					
DRAWN BY JFZHENG		DATE 2005/12/27		TITLE 30# HDMI TO DVI CABLE ASSY																			
CHECKED BY JFZHENG		DATE 2005/12/27		MOLEX INCORPORATED																			
APPROVED BY DQLUO		DATE 2005/12/27		MATERIAL NO. 8876836XX		DOCUMENT NO. SD-887683610		SHEET NO. 1 OF 2															

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OTE:

1. OVMROLD SPECIFICATION:

- 1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN 887800076E~UL94V-0.
- 1.2 HDMI INNERMOLD WITH BK PVC 887800019.
HDMI OVERMOLD WITH PVC 887800150.

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.CABLE CONSTRUCTION

(AWG#30*1P+D)*4 + AWG#30*1P + AWG#28*3C, 5.5MMOD'

5. DVI CONNECTOR SPECIFICATION

- 5.1 REFER TO PRODUCT SPEC. PS74320-001
- 5.2 CONTACT PLATING

6. 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

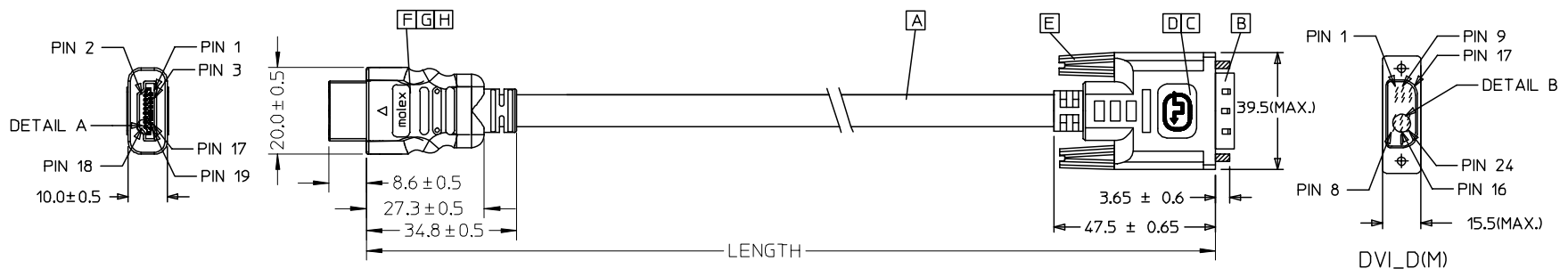
ITEM	DESCRIPTION	QTY.
H	SMALL METAL PLATED 47152-6009	1
G	HDMI METAL CAN 47152-4001	1
F	HDMI HOUSING ASSY' 47152-1100	1
E	DVI THUMB SCREW 887806077	2
D	PCB 887899569/887899570	1
C	ONE BODY CAN 887899396	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: 2005/12/30 APPR: DQLUO 2005/12/27 2006/01/16	QUALITY SYMBOLS ▽=0 ▽=5	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY JFZHENG	DATE 2005/12/27	TITLE 30# HDMI TO DVI CABLE ASSY		
		4 PLACES	±---	±---	CHECKED BY JFZHENG	DATE 2005/12/27	MOLEX MOLEX INCORPORATED		
		3 PLACES	±---	±---	APPROVED BY DQLUO	DATE 2005/12/27			
2 PLACES	±---	±---	ANGULAR ±1/2°		MATERIAL NO. 887683600	DOCUMENT NO. SD-887683610	SHEET NO. 2 OF 2		
1 PLACE	±---	±---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

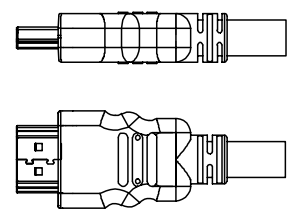
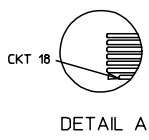
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E
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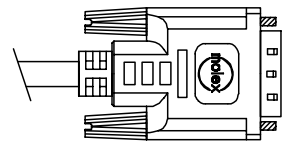
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D
C
B
A



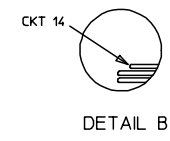
HDMI(M)



BACK SIDE



BACK SIDE



DETAIL B

88768-3630	HDMI TO DVI-D(M) CABLE ASSY,5M	5000 ± 100	BLACK	5.5MMITMDS - AWG#30)	887808273
88768-3620	HDMI TO DVI-D(M) CABLE ASSY,3M	3000 ± 80	BLACK	5.5MMITMDS - AWG#30)	887808273
88768-3610	HDMI TO DVI-D(M) CABLE ASSY,2M	2000 ± 60	BLACK	5.5MMITMDS - AWG#30)	887808273
88768-3600	HDMI TO DVI-D(M) CABLE ASSY,1M	1000 ± 30	BLACK	5.5MMITMDS - AWG#30)	887808273
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: JFZHENG APPR: DQLUO	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY	DATE	TITLE		
		4 PLACES	± ---	± ---	JFZHENG	2005/12/27	30# HDMI TO DVI CABLE ASSY		
		3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
	2 PLACES	± ---	± ---	JFZHENG	2005/12/27	MATERIAL NO.			
	1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO.			
	ANGULAR ±1/2°		DQLUO		2005/12/27	SHEET NO.			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		8876836XX		SD-887683620		1 OF 2		
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

6 5 4 3 2 1

OTE:

1. OVMROLD SPECIFICATION:
 - 1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN 887800076E~UL94V-0.
 - 1.2 HDMI INNERMOLD WITH BK PVC 887800019.
HDMI OVERMOLD WITH PVC 887800150.
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. CABLE CONSTRUCTION
(AWG#30*1P+D)*4 + AWG#30*1P + AWG#28*3C, 5.5MMOD'
5. DVI CONNECTOR SPECIFICATION
 - 5.1 REFER TO PRODUCT SPEC. PS74320-001
 - 5.2 CONTACT PLATING
6. 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

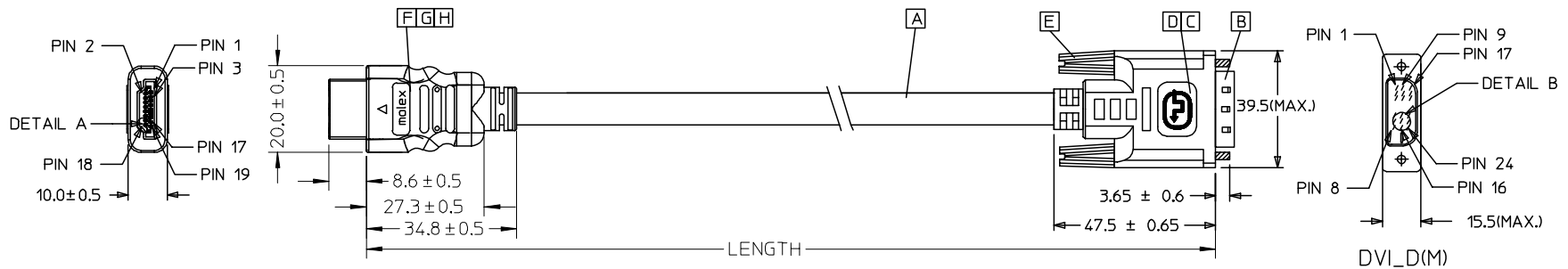
H	SMALL METAL PLATED 47152-6009	1
G	HDMI METAL CAN 47152-4001	1
F	HDMI HOUSING ASSY' 47152-1100	1
E	DVI THUMB SCREW 887806077	2
D	PCB 887899569/887899570	1
C	ONE BODY CAN 887899396	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1
ITEM	DESCRIPTION	QTY.

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: 2005/12/30 APPR: DQLUO 2005/12/27 2006/01/16	QUALITY SYMBOLS ▽=0 ▽=5	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY JFZHENG	DATE 2005/12/27	TITLE 30# HDMI TO DVI CABLE ASSY		
		4 PLACES	± ---	± ---	CHECKED BY JFZHENG	DATE 2005/12/27	APPROVED BY DQLUO		
		3 PLACES	± ---	± ---	APPROVED BY DQLUO		DATE 2005/12/27		MOLEX INCORPORATED
2 PLACES	± ---	± ---	ANGULAR ±1/2°		MATERIAL NO. 887683600	DOCUMENT NO. SD-887683620	SHEET NO. 2 OF 2		
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

7 6 5 4 3 2 1

E

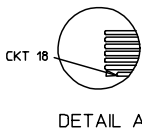
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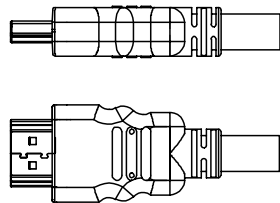
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HDMI(M)

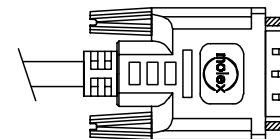


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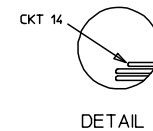
C



BACK SIDE



BACK SIDE



DETAIL B

B

B

88768-3630	HDMI TO DVI-D(M) CABLE ASS'Y,5M	5000 ± 100	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3620	HDMI TO DVI-D(M) CABLE ASS'Y,3M	3000 ± 80	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3610	HDMI TO DVI-D(M) CABLE ASS'Y,2M	2000 ± 60	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3600	HDMI TO DVI-D(M) CABLE ASS'Y,1M	1000 ± 30	BLACK	5.5MM(TMDS - AWG#30)	887808273
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

A

A

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: APPR: DQLUO	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			mm	INCH	MM ONLY		---		METRIC
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE		
		3 PLACES	± ---	± ---	JFZHENG	2005/12/27	30# HDMI TO DVI CABLE ASSY		
2 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
1 PLACE	± ---	± ---	JFZHENG	2005/12/27	MATERIAL NO.		SHEET NO.		
ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DQLUO		8876836XX	SD-887683630	1 OF 2	
				APPROVED BY		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				DATE					
				2005/12/27					

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OTE:

1. OVMROLD SPECIFICATION:

- 1.1 DVI BOOT MOLDED SNOW WHITE PVC RESIN 887800076E~UL94V-0.
- 1.2 HDMI INNERMOLD WITH BK PVC 887800019.
HDMI OVERMOLD WITH PVC 887800150.

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.CABLE CONSTRUCTION

(AWG#30*1P+D)*4 + AWG#30*1P + AWG#28*3C, 5.5MMOD'

5. DVI CONNECTOR SPECIFICATION

- 5.1 REFER TO PRODUCT SPEC. PS74320-001
- 5.2 CONTACT PLATING

6. 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

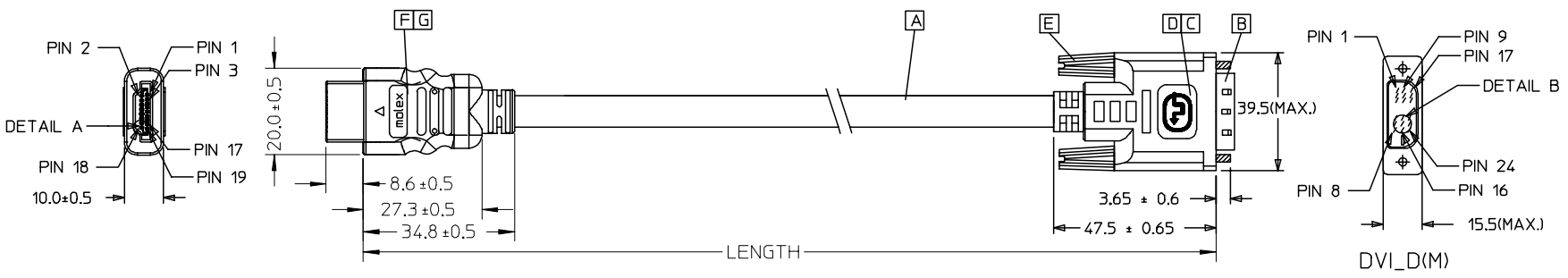
ITEM	DESCRIPTION	QTY.
H	SMALL METAL PLATED 47152-6009	1
G	HDMI METAL CAN 47152-4001	1
F	HDMI HOUSING ASSY' 47152-1100	1
E	DVI THUMB SCREW 887806077	2
D	PCB 887899569/887899570	1
C	ONE BODY CAN 887899396	1
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN: JFZHENG CHKD: 2005/12/30 APPR: DQLUO 2006/01/16	QUALITY SYMBOLS ▽=0 ▽=5	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY JFZHENG	DATE 2005/12/27	TITLE 30# HDMI TO DVI CABLE ASSY		
		4 PLACES	± ---	± ---	CHECKED BY JFZHENG	DATE 2005/12/27	APPROVED BY DQLUO		
		3 PLACES	± ---	± ---	DATE 2005/12/27		MOLEX INCORPORATED		
2 PLACES	± ---	± ---	ANGULAR ±1/2°		MATERIAL NO. 887683600	DOCUMENT NO. SD-887683630	SHEET NO. 2 OF 2		
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

7 6 5 4 3 2 1

E

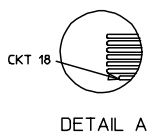
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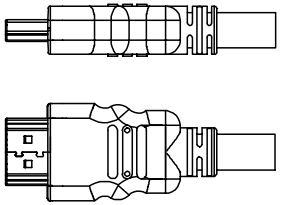
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D

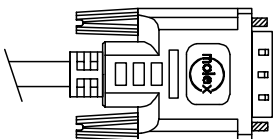
HDMI(M)



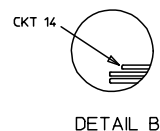
— WEEK CODE



BACK SIDE



BACK SIDE



DETAIL B

B

B

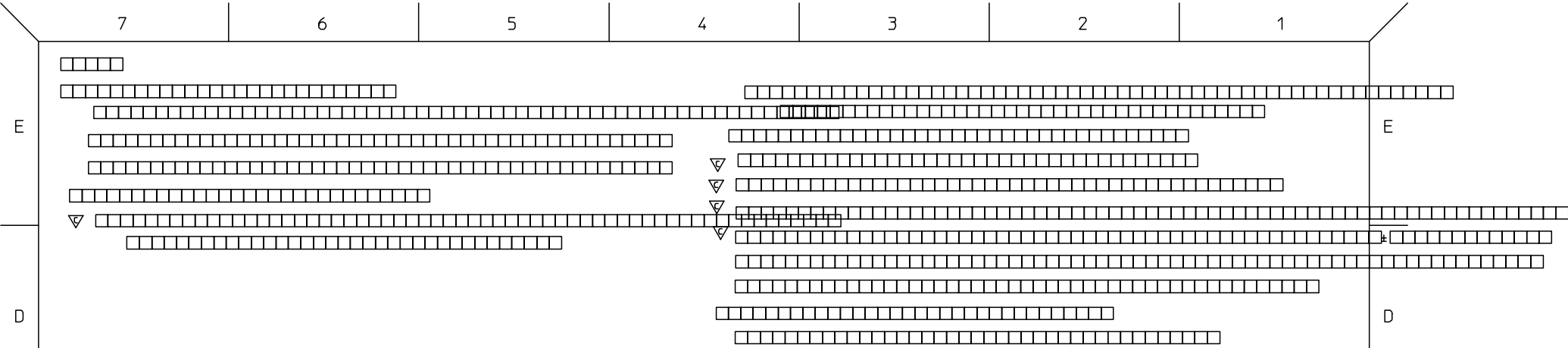
88768-3630	HDMI TO DVI-DIM) CABLE ASS'Y.5M	5000 ± 100	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3620	HDMI TO DVI-DIM) CABLE ASS'Y.3M	3000 ± 80	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3610	HDMI TO DVI-DIM) CABLE ASS'Y.2M	2000 ± 60	BLACK	5.5MM(TMDS - AWG#30)	887808273
88768-3600	HDMI TO DVI-DIM) CABLE ASS'Y.1M	1000 ± 30	BLACK	5.5MM(TMDS - AWG#30)	887808273
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N

A

A

ENTER DESCRIPTION EC NO: DG2005-0094 DRWN: JLIU13 2005/01/18 CHKD: TEDDY 2005/01/18 APPR: TKAN 2005/01/20	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	#30 HDMI TO DVI 1M CABLE ASS'Y			
		4 PLACES	± ---	± ---	JLIU13	2005/01/18				
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
2 PLACES	± ---	± ---	TEDDY	2005/01/18	MOLEX INCORPORATED					
1 PLACE	± ---	± ---	APPROVED BY	DATE						
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		BORON	2005/01/18	MATERIAL NO. 887683600		DOCUMENT NO. SD887683600		
SHEET NO. 1 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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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	HDMI METAL CAN 5011840018	1
F	HDMI HOUSING ASSY' 5011850001	1
E	DVI THUMB SCREW 887806077	2
D	PCB 887899569/887899570	1
C	ONE BODY CAN 887899396	1
B	DVI-D SINGLE CHANNEL G/F CONNECTOR 743230001	1
A	DVI SINGLE LINK CABLE (SEE TABLE)	1
ITEM	DESCRIPTION	QTY.

ENTER DESCRIPTION EC NO: DG2005-0094 DRWN: JLIU13 CHKD: TEDDY APPR: TKAN 2005/01/18 2005/01/18 2005/01/20	QUALITY SYMBOLS ▽=0 ▽=5	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH	DRAWN BY JLIU13	DATE 2005/01/18	TITLE #30 HDMI TO DVI 1M CABLE ASS'Y			
		ANGULAR ± --- °		CHECKED BY TEDDY	DATE 2005/01/18	APPROVED BY BORON			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 887683600	DATE 2005/01/18	MOLEX INCORPORATED		DOCUMENT NO. SD887683600	SHEET NO. 2 OF 2