

7

6

5

4

3

2

1

E

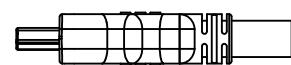
D

C

B

A

HDMI(M)



100

HDMI(M)

The logo consists of the text "CKT 18" to the left of a stylized circular emblem. The emblem features a horizontal line with a diagonal cross, and a vertical line with a diagonal cross, creating a crosshair-like pattern inside a circle.

**DETAIL A**

CKT 18

DETAIL B

887689930	HDMI TO HDMI CABLE ASS'Y,5M	5000 ± 100	BLACK	6.0MM(TMDS-AWG#30)
887689920	HDMI TO HDMI CABLE ASS'Y,3M	3000 ± 80	BLACK	6.0MM(TMDS-AWG#30)
887689910	HDMI TO HDMI CABLE ASS'Y,2M	2000 ± 60	BLACK	6.0MM(TMDS-AWG#30)
887689900	HDMI TO HDMI CABLE ASS'Y,1M	1000 ± 30	BLACK	6.0MM(TMDS-AWG#30)
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD

ENTER DESCRIPTION		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
EC NO:	DG2011-0371	DESCRIPTION	mm	INCH	DRAWN BY FZHANG01	DATE 2011/04/08	TITLE	HDMI(M) TO HDMI(M) CABLE ASS'Y
DRWN: FZHANG01	2011/04/08		4 PLACES	± ---	± ---			
CHKD: JLIU13	2011/04/08		3 PLACES	± ---	± ---	CHECKED BY LPNING	DATE 2011/04/08	
APPR: ZXDENG	2011/04/19		2 PLACES	± ---	± ---	APPROVED BY ZXDENG	DATE 2011/04/19	molex MOLEX INCORPORATED
			1 PLACE	± ---	± ---			
			ANGULAR ± ---°					
G	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.	DOCUMENT NO.	SHEET NO.
				SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

## WIRE DIAGRAM:

SHIELD	SHIELD	OVERALL SHIELD	GROUND
PIN 19	PIN 19	PINK	HOT PLUG DETECT
PIN 18	PIN 18	ORANGE	+5V POWER
PIN 17	PIN 17	YELLOW	DDC/CEC GROUND
PIN 16	PIN 16	WHITE	SDA
PIN 15	PIN 15	RED	SCL
PIN 14	PIN 14	VIOLET	RESERVED
PIN 13	PIN 13	GRAY	CEC
PIN 12	PIN 12	WHITE	TMDS CLOCK-
PIN 11	PIN 11	BRAID	TMDS CLOCK SHIELD
PIN 10	PIN 10	BLACK	TMDS CLOCK+
PIN 9	PIN 9	WHITE	TMDS DATA 0-
PIN 8	PIN 8	BRAID	TMDS DATA 0 SHIELD
PIN 7	PIN 7	BLUE	TMDS DATA 0+
PIN 6	PIN 6	WHITE	TMDS DATA 1-
PIN 5	PIN 5	BRAID	TMDS DATA 1 SHIELD
PIN 4	PIN 4	GREEN	TMDS DATA 1+
PIN 3	PIN 3	WHITE	TMDS DATA 2-
PIN 2	PIN 2	BRAID	TMDS DATA 2 SHIELD
PIN 1	PIN 1	RED	TMDS DATA 2+
HDMI	HDMI	COLOR	CABLE FUNCTION

## NOTE:

1. OVERMOLD SPECIFICATION
  - 1.1 HDMI INNER MOLDED WITH PVC RESIN  
HDMI OUTER MOLDED WITH PVC RESIN
  - 1.2 DUST COVER MOLDED WITH PE
2. PRODUCT ELECTRICAL SPECIFICATION REFER TO HDMI SPECIFICATION

## 3. CABLE CONSTRUCTION

(AWG#30\*1P+D)\*4 + AWG#30\*1P + AWG#28\*5C, 6.0MMOD

## 4. THE CODE PLEASE BE PRINTED ON THE SPACE

## 5. THIS PRODUCT MUST MEET EU CHEMICAL SUBSTANCE SPECIFICATION FOR PRODUCTS. (EU 2002/95/EC)

E	PRE-CUT C.Foil 47X23mm T=25U	2
D	COPPER FOIL 45*17MM	2
C	HDMI 19P MALE,30U'Au Solder Type	2
B	Metal Shell For HDMI 19P Male	2
A	(4P+1P)X30+5CX28,ALSH,PVC,BK,6.0,UL20276 (SEE TABLE)	1
ITEM	DESCRIPTION	L QTY.

ENTER DESCRIPTION		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY	DATE	TITLE	THIRD ANGLE PROJECTION	
EC NO:	DG2011-0371		mm	INCH				mm ONLY	---
DRWN: FZHANG01	2011/04/08	4 PLACES	± ---	± ---	FZHANG01	2011/04/08		HDMI(M) TO HDMI(M) CABLE ASS'Y	
CHKD: JLIU13	2011/04/08	3 PLACES	± ---	± ---	CHECKED BY	DATE			
APPR: ZXENG	2011/04/19	2 PLACES	± ---	± ---	LPNING	2011/04/08			
G	REV	1 PLACE	± ---	± ---	APPROVED BY	DATE			
					ZXDENG	2011/04/19			
		ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-88768-99XX		SHEET NO.	
				SIZE		A4		2 OF 2	
				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

E

D

D

C

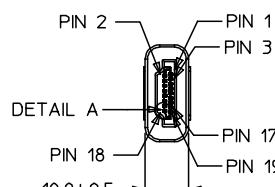
C

B

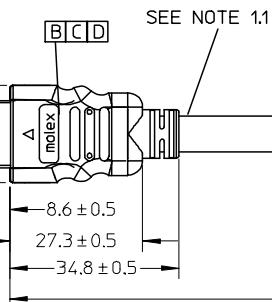
B

A

A



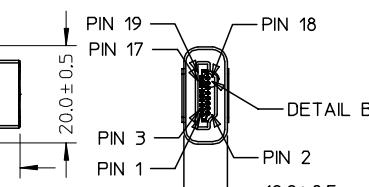
HDMI(M)



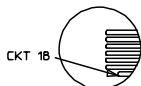
LENGTH

SEE NOTE 1.1

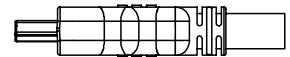
A



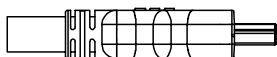
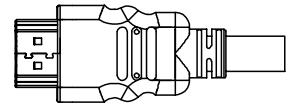
HDMI(M)



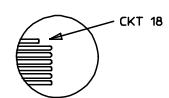
DETAIL A



BACK SIDE



BACK SIDE



DETAIL B

88768-9930	HDMI TO HDMI CABLE ASS'Y,5M	5000 ± 100	BLACK	6.0MM(TMDS-AWG#30)	887808583
88768-9920	HDMI TO HDMI CABLE ASS'Y,3M	3000 ± 80	BLACK	6.0MM(TMDS-AWG#30)	887808583
88768-9910	HDMI TO HDMI CABLE ASS'Y,2M	2000 ± 60	BLACK	6.0MM(TMDS-AWG#30)	887808583
88768-9900	HDMI TO HDMI CABLE ASS'Y,1M	1000 ± 30	BLACK	6.0MM(TMDS-AWG#30)	887808583

MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE OD	CABLE P/N
--------	-------------	--------	-------------	----------	-----------

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	mm	INCH	DRAWN BY JFZHENG	DATE 2005/12/26			
▼ = 0	4 PLACES	± ---	± ---	CHECKED BY JFZHENG			
▼ = 0	3 PLACES	± ---	± ---				
▼ = 0	2 PLACES	± ---	± ---				
▼ = 0	1 PLACE	± ---	± ---	APPROVED BY DOLUO	DATE 2005/12/26		
▼ = 0	ANGULAR ± --- °						
▼ = 0	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
▼ = 0	ENTER PART		SD-887689900		1 OF 00		
▼ = 0	SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX				
▼ = 0	A 4		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

ENTER DESCRIPTION	EC NO: DG2006-0144	2005/12/27
DRW/N:JFZHENG	CH'KD:	2005/12/30
APPR:DOLUO	REV:	2006/01/16

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

## WIRE DIAGRAM:

SHIELD	SHIELD	OVERALL SHIELD	GROUND
PIN 19	PIN 19	PINK	HOT PLUG DETECT
PIN 18	PIN 18	ORANGE	+5V POWER
PIN 17	PIN 17	YELLOW	DDC/CEC GROUND
PIN 16	PIN 16	WHITE	SDA
PIN 15	PIN 15	RED	SCL
PIN 14	PIN 14	VIOLET	RESERVED
PIN 13	PIN 13	GRAY	CEC
PIN 12	PIN 12	WHITE	TMDS CLOCK-
PIN 11	PIN 11	BRAID	TMDS CLOCK SHIELD
PIN 10	PIN 10	WHITE/BLACK	TMDS CLOCK+
PIN 9	PIN 9	WHITE	TMDS DATA 0-
PIN 8	PIN 8	BRAID	TMDS DATA 0 SHIELD
PIN 7	PIN 7	WHITE/BLUE	TMDS DATA 0+
PIN 6	PIN 6	WHITE	TMDS DATA 1-
PIN 5	PIN 5	BRAID	TMDS DATA 1 SHIELD
PIN 4	PIN 4	WHITE/GREEN	TMDS DATA 1+
PIN 3	PIN 3	WHITE	TMDS DATA 2-
PIN 2	PIN 2	BRAID	TMDS DATA 2 SHIELD
PIN 1	PIN 1	WHITE/RED	TMDS DATA 2+
HDMI	HDMI	COLOR	CABLE FUNCTION

## NOTE:

1. OVMROLD SPECIFICATION:
  - 1.1 HDMI INNERMOLD WITH BK PVC 887800019
  - 1.2 HDMI OVERTMOLD WITH PVC 887800150
2. MECHANICAL SPECIFICATION:
 

CABLE SHOULD STAND THE PULL FORCE 89-111N FOR 30 SECONDS WITH NO VISIBLE TERMINATION DAMAGE.
3. PRODUCT ELECTRICAL SPECIFICATION
  - 3.1 DIELECTRIC STRENGTH.
  - 3.2 INSULATION RESISTANCE.
  - 3.3 CONDUCTIVE RESISTANCE.
  - 3.4 TMDS Signals Time Domain Impedance
  - 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\*5C, 6.0MMOD'
5. THIS PRODUCT MUST MEET ROHS COMPLIANCE.

ITEM	DESCRIPTION	L	QTY.
D	HDMI METAL PLATED 47152-6009		2
C	HDMI METAL CAN 47152-4001		2
B	HDMI HOUSING ASSY'47152-1100		2
A	HDMI SINGLE LINK CABLE (SEE TABLE)		1
ITEM	DESCRIPTION	L	QTY.

ENTER DESCRIPTION EC NO: DG2006-0144 DRWN:JFZHENG CH'KD: APPR:DQLU REV: F	2005/12/27 2005/12/30 2006/01/16 DESCRIPTION QUALITY SYMBOLS ▼=0 △=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES $\pm$ --- mm $\pm$ --- INCH 3 PLACES $\pm$ --- mm $\pm$ --- INCH 2 PLACES $\pm$ --- mm $\pm$ --- INCH 1 PLACE $\pm$ --- mm $\pm$ --- INCH ANGULAR $\pm$ ---°	DRAWN BY JFZHENG CHECKED BY JFZHENG APPROVED BY DQLU MATERIAL NO. ENTER PART SD-887689900 SIZE A4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE --- TITLE AWG30 HDMI TO HDMI CABLE ASS'Y molex MOLEX INCORPORATED DOCUMENT NO. 2 OF 00
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex](#):

[88768-9930](#)