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Part Number: [0887645900](#)
Status: **Active**
Overview: [high_definition_multimedia_interface_hdmi](#)
Description: 0.50mm (.020") Pitch HDMI*(F) To 1.90mm (.075") Pitch P&D(M) Adapter

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	I/O Connectors
Series	88768
Application	Wire-to-Board, Wire-to-Wire
Component Type	Adapter
Overview	high_definition_multimedia_interface_hdmi
Product Name	HDMI, MicroCross™P&D
Type	N/A

Physical	
Circuits (Loaded)	19
Circuits (maximum)	19
Color - Resin	Black
Durability (mating cycles max)	500
Lock to Mating Part	Yes
Material - Metal	Brass, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin, Tin-Bismuth
Material - Resin	High Temperature Thermoplastic
Orientation	Horizontal
PCB Thickness Recommended (in)	0.040 In
PCB Thickness Recommended (mm)	1.00 mm
Packaging Type	Bag
Panel Mount	Yes
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, 30.4
Plating min: Mating (µm)	0.75, 0.76
Plating min: Termination (µin)	150, 40
Plating min: Termination (µm)	1, 3.75
Polarized to Mating Part	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount, Through Hole

Electrical	
Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	40V

Material Info

Reference - Drawing Numbers

Sales Drawing SD-88764-006, SD-88764-590, SD-887645900

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

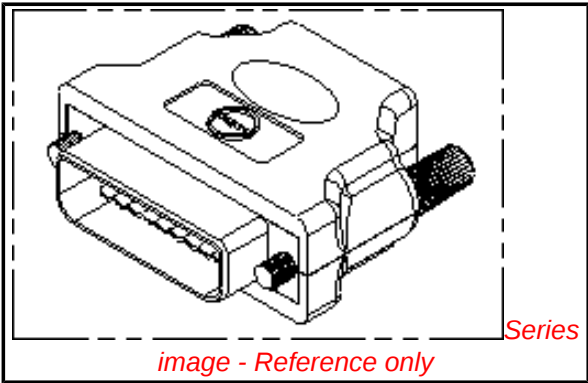


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
88768Series

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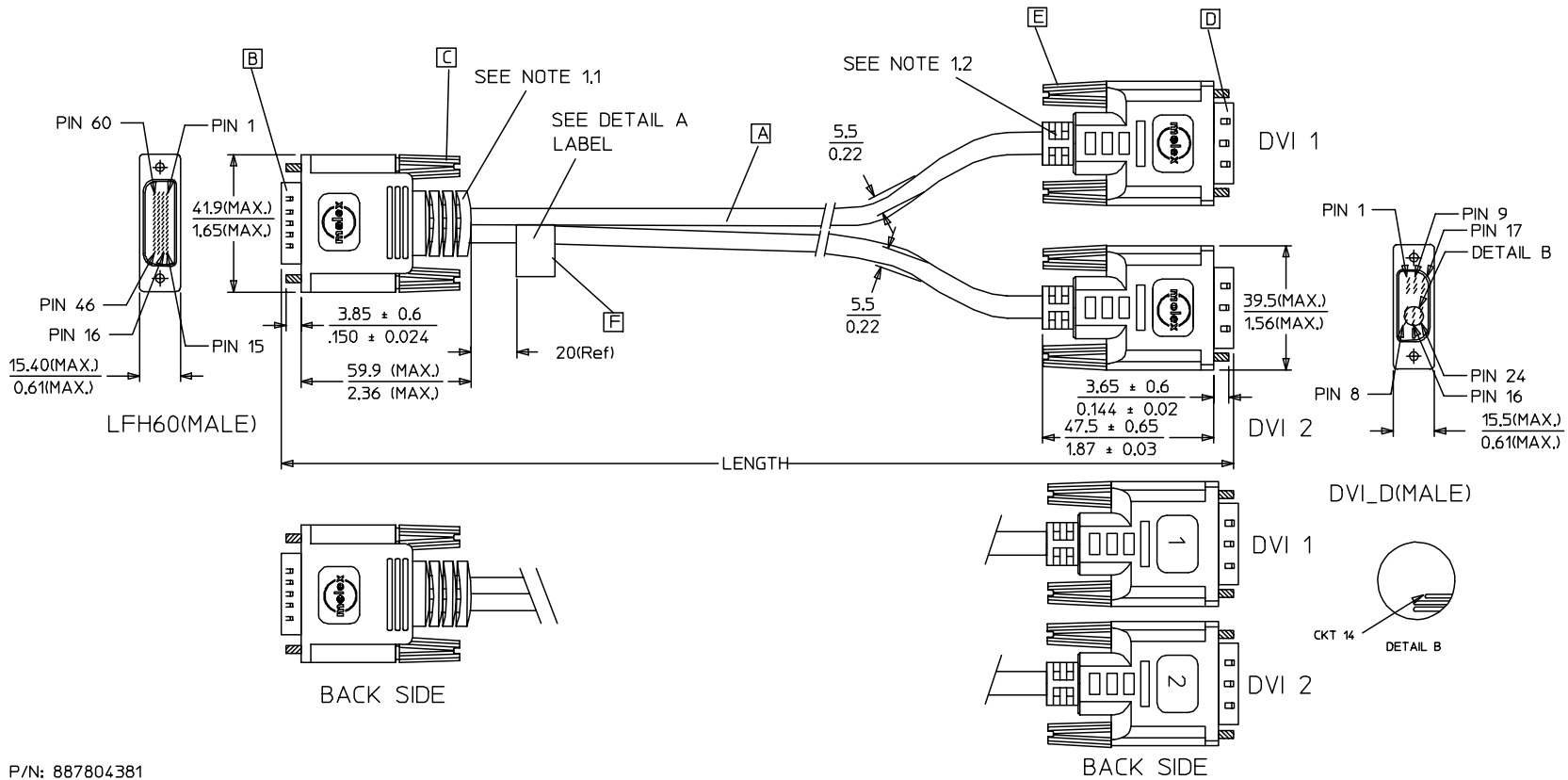
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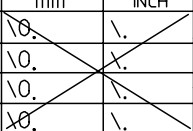
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P/N: 887804381

MOLEX P/N:
887-6676-XX
REV.B

DETAIL A

EC NO.				DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE N.S.T	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☐ mm ONLY			SHT	REV
DRWN: PDAI	04/06/11	CHK:	APPR:			MAJOR  = 0		mm	INCH		DRAWN BY & DATE	TITLE:			
DRWN: METTLE03/03/06		CHK:	APPR:	CRITICAL  = 5	4 PLACES				METTLE 03/03/06	LFH60(M) TO TWO DVI-D(M) CABLE ASS'Y					
					3 PLACES				CHECKED BY & DATE						
EC NO.		DRWN: MACKY 02/08/01			2 PLACES				MACKY 03/03/06	MOLEX INCORPORATED					
CHK:		APPR:			1 PLACE				APPROVED BY & DATE						
APPR:									T.WONG 03/03/06	CAD FILENAME		MATERIAL NO.	DRAWING NO.	SHEET NO.	
EC NO.		DRWN: MACKY 02/07/03		REV					S88744BB.S01	SEE TABLE A	SD-88744-028	1 OF 3			
CHK:		APPR:													
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WBORD_A.BOR REV A
97/05/14 LEVEL 3

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WIRING DIAGRAM:

SHIELD	SHIELD	GROUND
PIN 24	PIN 32	DVI1_TXC-
PIN 23	PIN 31	DVI1_TXC+
PIN 22	PIN 57	DVI1_TXC RTN
PIN 19	PIN 33	DVI1_TX0 RTN
PIN 18	PIN 29	DVI1_TX0+
PIN 17	PIN 30	DVI1_TX0-
PIN 16	PIN 36	DVI1_HPD
PIN 15	PIN 54	SYNCS
PIN 14	PIN 5	+5V
PIN 11	PIN 34	DVI1_TX1 RTN
PIN 10	PIN 27	DVI1_TX1+
PIN 9	PIN 28	DVI1_TX1-
PIN 7	PIN 7	DVI1_SDA
PIN 6	PIN 6	DVI1_SCL
PIN 3	PIN 35	DVI1_TX2 RTN
PIN 2	PIN 25	DVI1_TX2+
PIN 1	PIN 26	DVI1_TX2-
DVI 1	LFH60	CABLE FUNCTION

SHIELD	SHIELD	GROUND
PIN 24	PIN 44	DVI2_TXC-
PIN 23	PIN 45	DVI2_TXC+
PIN 22	PIN 49	DVI2_TXC RTN
PIN 19	PIN 43	DVI2_TX0 RTN
PIN 18	PIN 16	DVI2_TX0+
PIN 17	PIN 17	DVI2_TX0-
PIN 16	PIN 40	DVI2_HPD
PIN 15	PIN 52	SYNCS
PIN 14	PIN 11	+5V
PIN 11	PIN 42	DVI2_TX1 RTN
PIN 10	PIN 18	DVI2_TX1+
PIN 9	PIN 19	DVI2_TX1-
PIN 7	PIN 9	DVI2_SDA
PIN 6	PIN 10	DVI2_SCL
PIN 3	PIN 41	DVI2_TX2 RTN
PIN 2	PIN 20	DVI2_TX2+
PIN 1	PIN 21	DVI2_TX2-
DVI 2	LFH60	CABLE FUNCTION

EC NO.		DRWN: PDAI	04/06/11	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)			SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	DIMENSIONS:			SHT	REV
CH'K:		APPR:							N.S.T	☒ mm ☐ INCH		☐ mm ONLY	REVISE ON CAD ONLY			
EC NO.		DRWN: METTLE	03/03/06						DRAWN BY & DATE			TITLE: LFH60(M) TO TWO DVI-D(M) CABLE ASS'Y				
CH'K:		APPR:							CHECKED BY & DATE							
EC NO.		DRWN: MACKY	02/08/01						APPROVED BY & DATE			 MOLEX INCORPORATED				
CH'K:		APPR:					T.WONG 03/03/06									
C				REV		ANGULAR: ± °			CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.				
									S88744BB.S02	SEE TABLE A	SD-88744-028	2 OF 3				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.															SIZE	
															A4	

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MATERIAL LIST:

F	LABEL		1
E	DVI THUMB SCREW (4-40UNC)		4
D	DVI-D SINGLE CHANNEL G/F CONNECTOR		2
C	LFH SCREW (4-40UNC)		2
B	LFH-60 PLUG ASSEMBLY		1
A	DVI-D SINGLE LINK CABLE		2
ITEM	DESCRIPTION	L	QTY.

TABLE A

88766-7610	LFH60(M) TO TWO DVI-D(M) S/L CABLE 3M	3000±60
88766-7600	LFH60(M) TO TWO DVI-D(M) S/L CABLE 2M	2000±50
MX-P/N	DESCRIPTION	LENGTH

NOTE:1. OVERMOLD SPECIFICATION

1.1 LFH60 BOOT MOLDED WITH BLACK PVC RESIN,UL 94V-0.

1.2 DVI BOOT MOLDED WITH SNOW PVC RESIN,UL 94V-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. PRODUCT ELECTRICAL SPECIFICATION

▽3.1 DIELECTRIC STRENGTH: 500V DC FOR 10MS.

▽3.2 INSULATION RESISTANCE: 100 MEGA Ohms(MIN.).

▽3.3 CONTACT RESISTANCE: 2 Ohms(MAX.).

▽3.4 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE: 100±7 Ohms @TDR.

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

3.6 SIGNALS INTRA-PAIR SKEW (PER CABLE): <150 ps.

4. CONNECTOR PLATING: AU FLASH.

5.SHORTCIRCUIT AMONG DRAIN WIRES IS ACCEPTABLE.

EC NO.		DRWN: PDAI	04/06/11	EC NO.		DRWN: METTLE	03/03/06	EC NO.		DRWN: MACKY	02/08/01	EC NO.		DRWN: MACKY	02/07/03	DESCRIPTION	QUALITY SYMBOLS MAJOR ▼ = 0 CRITICAL ▽ = 5	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE N.S.T	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☒ mm ☐ INCH ☐ mm ONLY			SHT	REV	
C		CHK: APPR:		B1		CHK: APPR:		B		CHK: APPR:		A		CHK: APPR:				mm INCH		mm INCH	mm INCH	TITLE: LFH60(M) TO TWO DVI-D(M) CABLE ASS'Y			REVISE ON CAD ONLY			
																		mm INCH		mm INCH	mm INCH	DRAWN BY & DATE METTLE 03/03/06			MOLEX INCORPORATED			
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																				CAD FILENAME S88744BB.S03			MATERIAL NO. SEE TABLE A		DRAWING NO. SD-88744-028		SHEET NO. 3 OF 3	
																THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										SIZE A4		