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Part Number: [0687860002](#)
Status: **Active**
Overview: [type d micro connectors](#)
Description: HDMI Type D-to-Type A Cable Assembly, CAT 2, AWG 34, 1.5m (4.92'), Lead free

Documents:

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

General

Product Family	Cable Assemblies
Series	68786
Connector to Connector	HDMI* Type D-to-Type A
Overview	type d micro connectors
Product Name	HDMI*, Micro HDMI*

Physical

Cable Length	1.50m (4.92')
Circuits (Loaded)	19
Gender	Male-Male
Lock to Mating Part	Yes
Material - Resin	Polyethylene, PVC
Pitch - Mating Interface (in)	0.016 In, 0.039 In
Pitch - Mating Interface (mm)	0.40 mm, 1.00 mm
Single Ended	No
Wire Size AWG	34
Wire/Cable Type	Round

Electrical

Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	30V

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-68786-001
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* 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**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of
 Compliance, [click here](#)

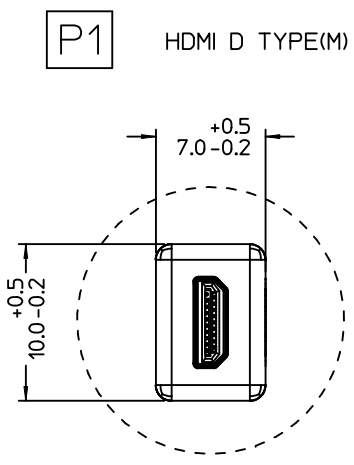
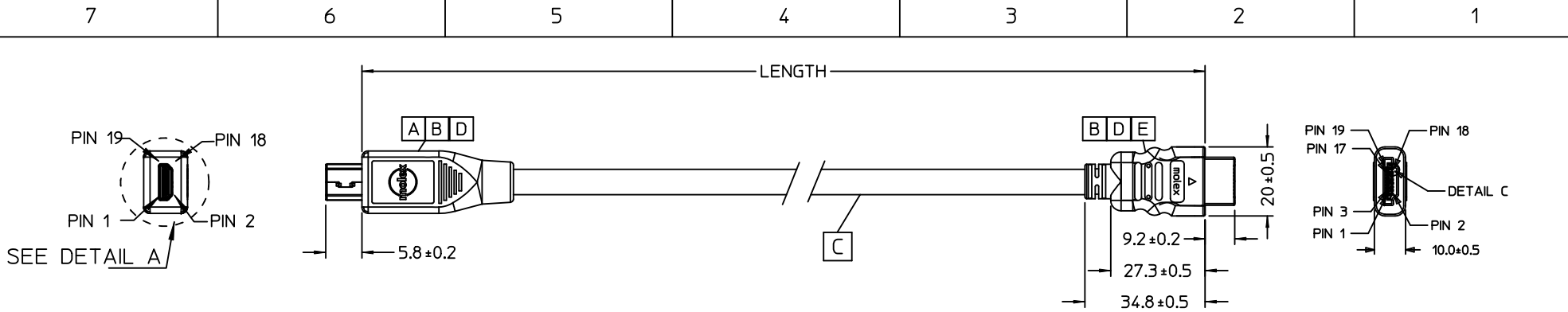
Please visit the [Contact Us](#) section for any
 non-product compliance questions.

Search Parts in this Series

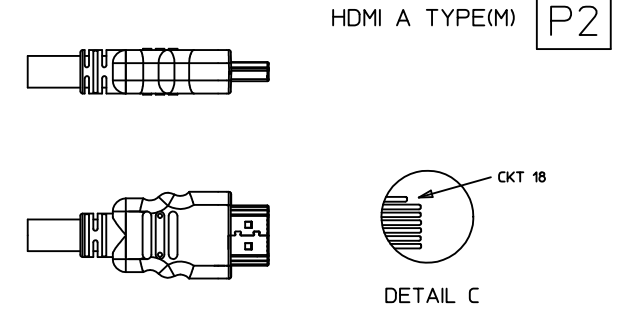
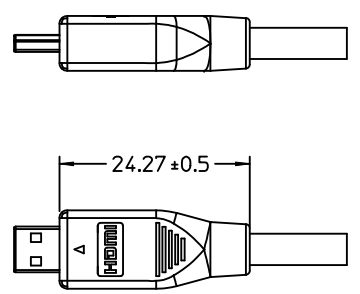
68786Series

Mates With

46765 HDMI Type D Micro Connectors



DETAIL A



P1

HDMI D TYPE(M)

P2

HDMI A TYPE(M)

P/N	L&TOL.(mm)	DESCRIPTION
687860001	1000±20	HDMI A-D CABLE ASSEMBLY BLK,0D3.7,34AWG
687860002	1500±20	HDMI A-D CABLE ASSEMBLY BLK,0D3.7,34AWG
687860003	2000±30	HDMI A-D CABLE ASSEMBLY BLK,0D4.2,32AWG
687860006	1500±20	HDMI A-D CABLE ASSEMBLY BLK,0D3.2,36AWG

CHANGE 34AWG CABLE INNER WIRE COLOR EC NO: DG2010-0162 DRW: FZHANG01 CHK: D:ARTHUR APPR: BLAU	DESCRIPTION 2010/02/23 2010/02/23 2010/02/24	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 2010/02/23	TITLE HDMI TYPE A TO TYPE D CABLE ASSEMBLY MOLEX INCORPORATED DOCUMENT NO. SD-68786-001 SHEET NO. 1 OF 2			
			4 PLACES	± ---	± ---	CHECKED BY ARTHUR	DATE 2010/02/23				
			3 PLACES	± ---	± ---	APPROVED BY BLAU	DATE 2010/02/24				
2 PLACES	± ---	± ---	ANGULAR ± 1 °		MATERIAL NO.		SEE TABLE				
1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

WIRE CHART FOR CABLE 32AWG

P1	FUNCTION	P2	WIRE COLOR
Pin 1	HOT PLUG DETECT	Pin 19	BLACK
Pin 2	UTILITY	Pin14	BROWN
Pin 3	TMDS DATA2+	Pin 1	WHITE
Pin 4	TMDS DATA2 GND	Pin 2	DRAIN WIRE
Pin 5	TMDS DATA2-	Pin 3	RED
Pin 6	TMDS DATA1+	Pin 4	WHITE
Pin 7	TMDS DATA1 GND	Pin 5	DRAIN WIRE
Pin 8	TMDS DATA1-	Pin 6	GREEN
Pin 9	TMDS DATA0+	Pin 7	WHITE
Pin 10	TMDS DATA0 GND	Pin 8	DRAIN WIRE
Pin 11	TMDS DATA0-	Pin 9	BLUE
Pin 12	TMDS CLOCK+	Pin 10	WHITE
Pin 13	TMDS CLOCK GND	Pin 11	DRAIN WIRE
Pin 14	TMDS CLOCK-	Pin 12	YELLOW
Pin 15	CEC	Pin 13	RED
Pin 16	DDC/CEC GND	Pin 17	YELLOW
Pin 17	SCL	Pin 15	GREEN
Pin 18	SDA	Pin 16	BLUE
Pin 19	+5V POWER	Pin 18	WHITE
SHELL		SHELL	BRAID

WIRE CHART FOR CABLE 34AWG

P1	FUNCTION	P2	WIRE COLOR
Pin 1	HOT PLUG DETECT	Pin 19	ORANGE
Pin 2	UTILITY	Pin14	BROWN
Pin 3	TMDS DATA2+	Pin 1	WHITE
Pin 4	TMDS DATA2 GND	Pin 2	DRAIN WIRE
Pin 5	TMDS DATA2-	Pin 3	RED
Pin 6	TMDS DATA1+	Pin 4	WHITE
Pin 7	TMDS DATA1 GND	Pin 5	DRAIN WIRE
Pin 8	TMDS DATA1-	Pin 6	GREEN
Pin 9	TMDS DATA0+	Pin 7	WHITE
Pin 10	TMDS DATA0 GND	Pin 8	DRAIN WIRE
Pin 11	TMDS DATA0-	Pin 9	BROWN
Pin 12	TMDS COLOK+	Pin 10	WHITE
Pin 13	TMDS COLOK GND	Pin 11	DRAIN WIRE
Pin 14	TMDS COLOK-	Pin 12	BLUE
Pin 15	CEC	Pin 13	RED
Pin 16	DDC/CEC GND	Pin 17	YELLOW
Pin 17	SCL	Pin 15	GREEN
Pin 18	SDA	Pin 16	BLUE
Pin 19	+5V POWER	Pin 18	WHITE
SHELL		SHELL	BRAID

WIRE CHART FOR CABLE 36AWG

P1	FUNCTION	P2	WIRE COLOR
Pin 1	HOT PLUG DETECT	Pin 19	RED
Pin 2	UTILITY	Pin14	BLUE
Pin 3	TMDS DATA2+	Pin 1	WHITE
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Pin 17	SCL	Pin 15	BROWN
Pin 18	SDA	Pin 16	YELLOW
Pin 19	+5V POWER	Pin 18	ORANGE
SHELL		SHELL	BRAID

NOTES:

- BOTH SIDE INNERMOLD WITH PE RESIN.
BOTH SIDE INNERMOLD WITH PVC RESIN.
- PRODUCT CAN MEET HDMI SPECIFICATION.
- THIS PRODUCT MUST MEET EU2002/95 ROHS REQUIREMENTS.

ITEM	DESCRIPTION	QTY.
E	HDMI A HOUSING ASSEMBLY	1
D	LOCTITE 416 GLUE	AS
C	RAW CABLE (SEE TABLE)	AS
B	COPPER FOIL	2
A	MICRO HDMI CONNECTOR	1

CHANGE 34AWG CABLE INNER WIRE COLOR EC NO: DG2010-0162 DRWN:FZHANG01 CHKD:ARTHUR APPR:BLAU	2010/02/23 2010/02/23 2010/02/24	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			$\blacktriangledown = 0$ $\triangleleft = 0$	mm INCH	MM ONLY	---	METRIC	
			4 PLACES \pm --- \pm --- 3 PLACES \pm --- \pm --- 2 PLACES \pm --- \pm --- 1 PLACE \pm --- \pm ---	DRAWN BY DATE FZHANG01 2010/02/23 CHECKED BY DATE ARTHUR 2010/02/23 APPROVED BY DATE BLAU 2010/02/24	TITLE		HDMI TYPE A TO TYPE D CABLE ASSEMBLY	
			ANGULAR $\pm 1^\circ$ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE SIZE A 4	MOLEX INCORPORATED DOCUMENT NO. SD-68786-001	SHEET NO. 2 OF 2		

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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