



P/N	L&TOL.(mm)	DESCRIPTION
687860001	1000±20	HDMI A-D CABLE ASSEMBLY BLK,OD3.7,34AWG
687860002	1500±20	HDMI A-D CABLE ASSEMBLY BLK,OD3.7,34AWG
687860003	2000±30	HDMI A-D CABLE ASSEMBLY BLK,OD4.2,32AWG
687860006	1500±20	HDMI A-D CABLE ASSEMBLY BLK,OD3.2,36AWG

CHANGE: 3AWG CABLE INNER WIRE COLOR EC NO: DG2010-0162 DRWN: FZHANG01 CHKD: ARTHUR APPR: BLAU	DESCRIPTION 2010/02/23 2010/02/23 2010/02/24	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± 1°	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		▼=0 ▽=0		MM ONLY	---	METRIC	
		DRAWN BY: FZHANG01 CHECKED BY: ARTHUR APPROVED BY: BLAU		DATE: 2010/02/23	TITLE	HDMI TYPE A TO TYPE D CABLE ASSEMBLY	
		MATERIAL NO. SEE TABLE		MOLEX INCORPORATED	DOCUMENT NO.	SD-68786-001	SHEET NO. 1 OF 2

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WIRE CHART FOR CABLE 32AWG

P1	FUNCTION	P2	WIRE COLOR
Pin 1	HOT PLUG DETECT	Pin 19	BLACK
Pin 2	UTILITY	Pin 14	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	Pin 14	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	Pin 14	BLUE
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 COLOK+	Pin 10	WHITE
Pin 13	TMDS COLOK GND	Pin 11	DRAIN WIRE
Pin 14	TMDS COLOK-	Pin 12	BROWN
Pin 15	CEC	Pin 13	WHITE
Pin 16	DDC/CEC GND	Pin 17	GREEN
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.

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
ITEM	DESCRIPTION	QTY.

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

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