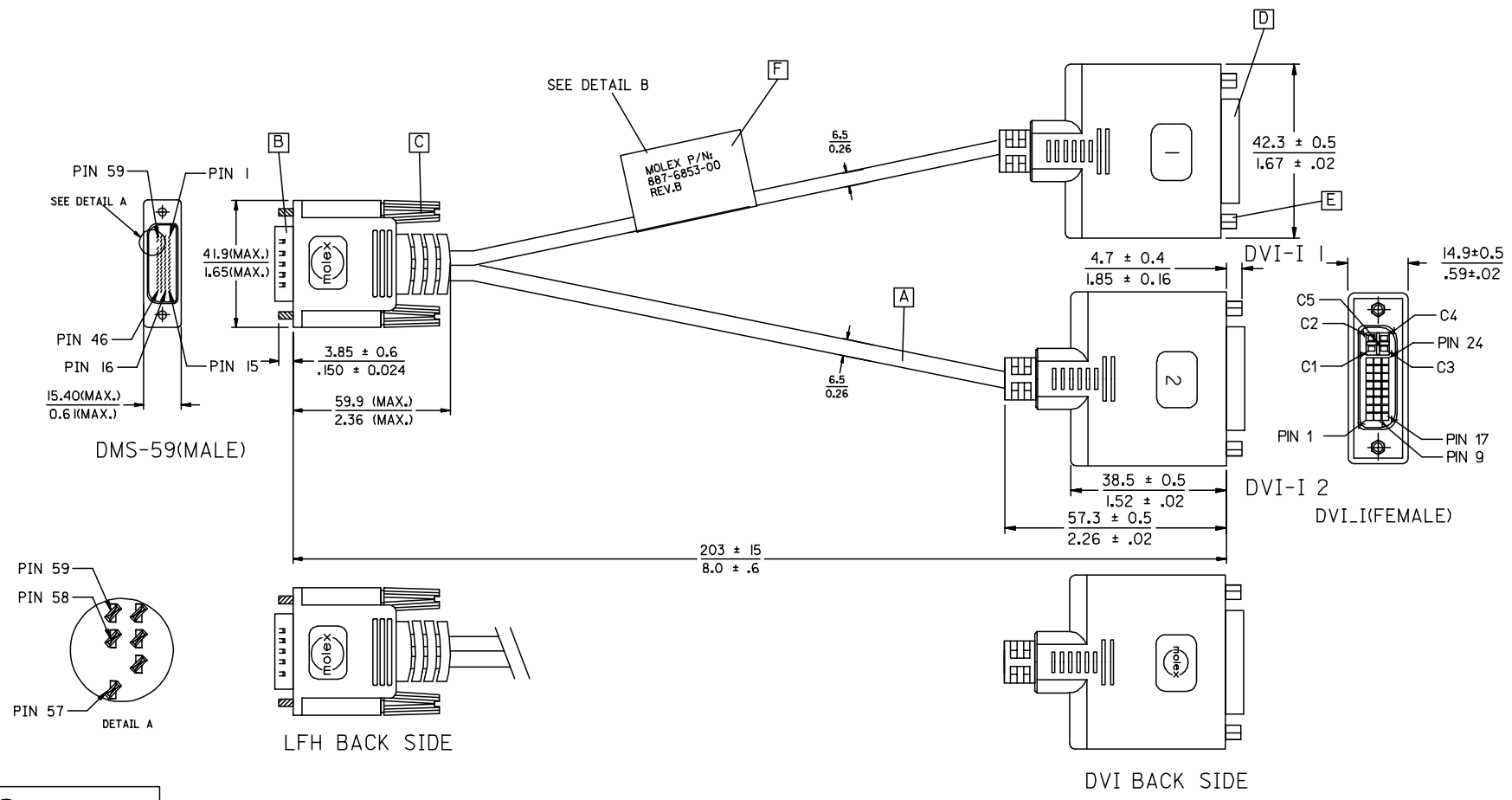


ENTER DESCRIPTION	2006/03/09	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE: MM/IN
EC NO: DG2006-0186	2006/03/09		▼=0		SCALE: ---
DRWN:PDAI	2006/03/09		C=0		DESIGN UNITS: METRIC
CH'KD:					THIRD ANGLE PROJECTION
APPR: TKAN	2006/03/10				
C		REV			

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRAWN BY: PDAI	DATE: 2006/03/07	TITLE: DMS59(M) TO TWO DVI-I(F) ADAPTER CABLE
CHECKED BY: ZXDENG	DATE: 2006/03/07	
APPROVED BY: BORON	DATE: 2006/03/07	MOLEX INCORPORATED
MATERIAL NO.: 887685300		DOCUMENT NO.: SD-88744-097
		SHEET NO.: 1 OF 2

SIZE A4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CONNECTION DIAGRAM:

SHIELD	SHIELD	GROUND
C5	PIN 1,4&59	GROUND (RED, BLUE, GREEN)
C4	PIN 56	VGA1_HSYNC
C3	PIN 3	VGA1_BLUE
C2	PIN 58	VGA1_GREEN
C1	PIN 2	VGA1_RED
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 8	PIN 55	VGA1_VSYNC
PIN 7	PIN 7	DVI1_COC_DATA
PIN 6	PIN 6	DVI1_COC_CLOCK
PIN 3	PIN 35	DVI1_TX2 RTN
PIN 2	PIN 25	DVI1_TX2+
PIN 1	PIN 26	DVI1_TX2-
DVI 1	DMS-59	CABLE FUNCTION

SHIELD	SHIELD	GROUND
C5	PIN 12,15&46	GROUND (BLUE, RED, GREEN)
C4	PIN 50	VGA2_HSYNC
C3	PIN 13	VGA2_BLUE
C2	PIN 47	VGA2_GREEN
C1	PIN 14	VGA2_RED
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 8	PIN 51	VGA2_VSYNC
PIN 7	PIN 9	DVI2_COC_DATA
PIN 6	PIN 10	DVI2_COC_CLOCK
PIN 3	PIN 41	DVI2_TX2 RTN
PIN 2	PIN 20	DVI2_TX2+
PIN 1	PIN 21	DVI2_TX2-
DVI 2	DMS-59	CABLE FUNCTION

NOTE: 1. OVERMOLD SPECIFICATION

1.1 DMS-59 BOOT MOLDED WITH SNOW WHITE PVC RESIN, UL94V-0.

1.2 DVI BOOT MOLDED WITH SNOW WHITE 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 ASSEMBLY ELECTRICAL SPECIFICATION

▽3.1 HI-POT VOLTAGE: 300VDC FOR 10mS.

▽3.2 INSULATION RESISTANCE: 20 MEGA Ohms(MIN.)

▽3.3 CONTACT RESISTANCE: 2 Ohms(MAX.)

▽3.4 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE: 100±7 Ohms @TDR 200 PSEC RISETIME.

▽3.5 COAXIAL LINES CHARACTERISTIC IMPEDANCE: 75±10% Ohms @TDR 200 PSEC RISETIME.

3.6 WRAP COPPER TAPE OVER BRAID, THEN CRIMP THE METAL CAN ON COPPER TAPE WITH 360°.

4. CONNECTOR PLATING: AU FLASH PLATE.

5. SCREW SPEC.: 4-40 UNC.

ITEM	DESCRIPTION	QTY.
F	LABEL	1
E	DVI(F) JACK SCREW 4-40 UNC	4
D	DVI_I FEMALE CONNECTOR	2
C	LFH SCREW 4-40 UNC	2
B	DMS-59 PLUG ASSY'(NATURE)	1
A	DVI-A/D CABLE	2

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
DRWN: PDAI 2006/03/09
CH'KD: APPR: TKAN 2006/03/10
DESCRIPTION
C REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: PDAI DATE: 2006/03/07
CHECKED BY: ZXDENG DATE: 2006/03/07
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TITLE: DMS59(M) TO TWO DVI-I(F) ADAPTER CABLE

MOLEX INCORPORATED

MATERIAL NO.: 887685300
DOCUMENT NO.: SD-88744-097
SHEET NO.: 2 OF 2

SIZE A4

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