

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0887418200

Status:

Active

Overview:

microcross_dvi

Description:

MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Analog-to-DVI-Analog, 2.0m (6.56') Length

Documents:

Drawing (PDF)

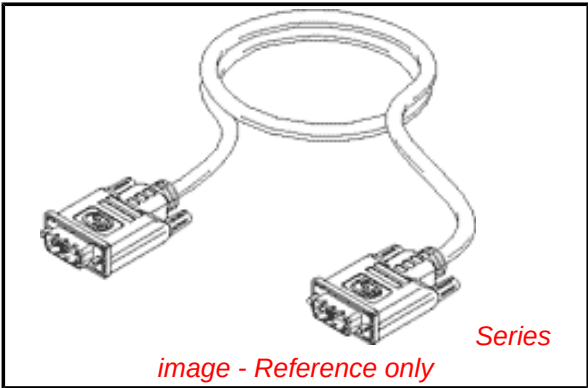
RoHS Certificate of Compliance (PDF)

General	
Product Family	Cable Assemblies
Series	88744
Connector to Connector	DVI-Analog-to-DVI-Analog
Overview	microcross_dvi
Product Name	MicroCross™DVI
Physical	
Cable Length	2.0m (6.56')
Circuits (Loaded)	29
Color - Resin	Black
Gender	Plug/Plug
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Packaging Type	Bag
Pitch - Mating Interface (in)	0.075 In, 0.100 In
Pitch - Mating Interface (mm)	1.90 mm, 2.54 mm
Plating min: Mating (µin)	10, 2
Plating min: Mating (µm)	0.05, 0.25
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.75
Single Ended	No
Termination Interface: Style	Solder or Weld
Wire Insulation Diameter	N/A
Wire Size AWG	N/A
Wire/Cable Type	N/A

Electrical	
Current - Maximum per Contact	3A
Shielded	Yes

Material Info

Reference - Drawing Numbers	
Sales Drawing	SD-88741-003



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.

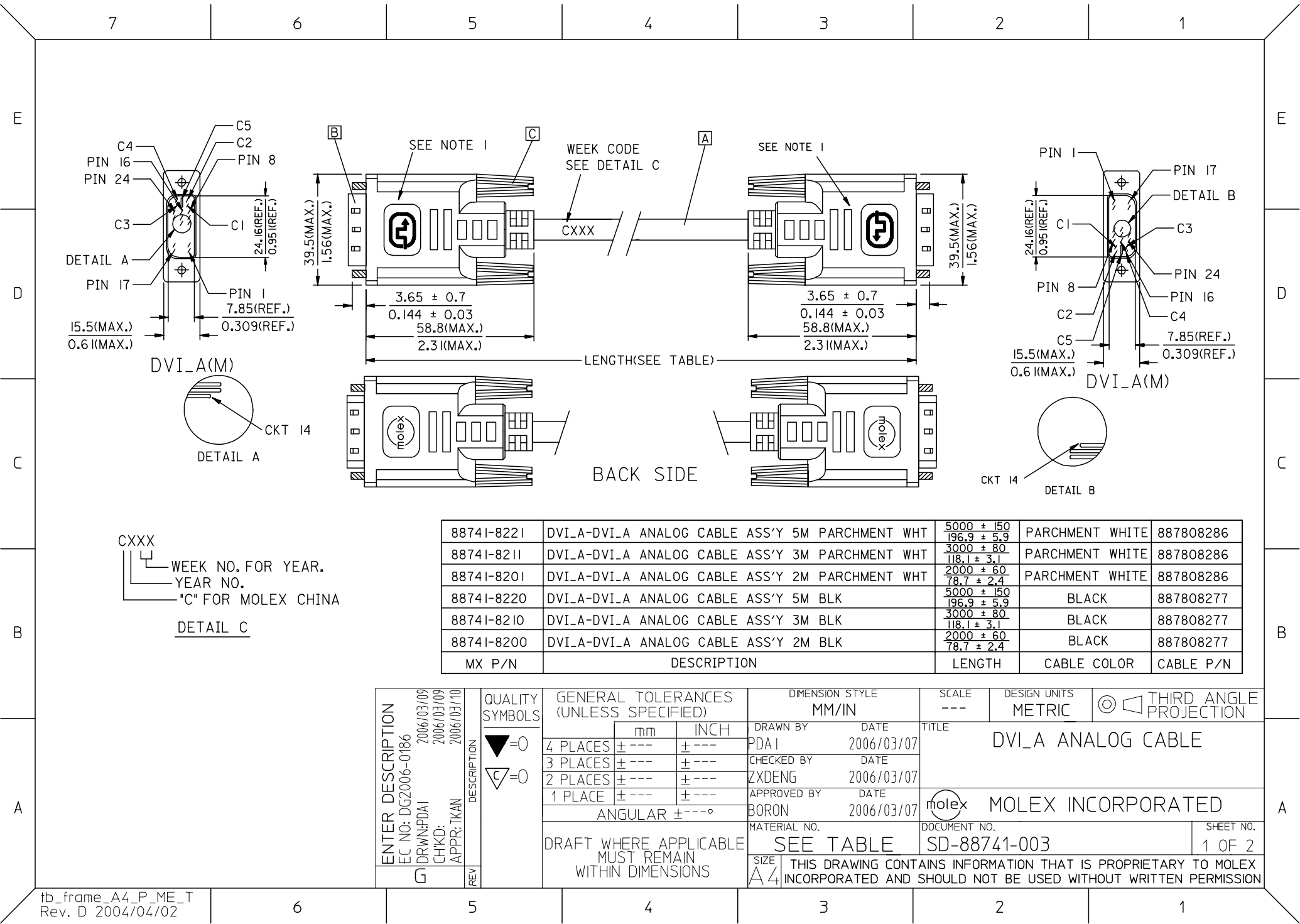
Search Parts in this Series

88744Series

Mates With

74320 MicroCross™ DVI-I Digital/Analog Visual Interface, PCB Receptacle

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



	7	6	5	4	3	2	1																																																			
E	NOTE:1. OVERMOLD SPECIFICATION 1.1 DVI BOOT MOLDED WITH SONW WHITE PVC RESIN P/N IS 887800076. 1.2 UL94V-0, COLOR: MAD432 1.3 HARDNESS (DUROMETER): SHORE A 90-95 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 ELECTRICAL SPECIFICATION 3.1 DIELECTRIC STRENGTH: 300VDC FOR 10mS 3.2 SIGNAL LINE INSULATION RESISTANCE: 20 MEGA Ohms 3.3 COAXIAL LINES CHARACTERISTIC IMPEDANCE: 75±7.5 Ohms @TDR. 4. DVI CONNECTOR SPECIFICATION 4.1 REFER TO PRODUCT SPEC. PS74320-0001. 4.2 CONTACT PLATING: AU FLASH. 5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.							E																																																		
D	7. MATERIAL LIST<table><tr><td>C</td><td>DVI THUMB SCREW 887806005</td></tr><tr><td>B</td><td>DVI_A G/F CONNECTOR 743230011</td></tr><tr><td>A</td><td>DVI ANALOG CABLE(SEE TABLE)</td></tr><tr><td>ITEM</td><td>DESCRIPTION</td></tr></table>							C	DVI THUMB SCREW 887806005	B	DVI_A G/F CONNECTOR 743230011	A	DVI ANALOG CABLE(SEE TABLE)	ITEM	DESCRIPTION	D																																										
C	DVI THUMB SCREW 887806005																																																									
B	DVI_A G/F CONNECTOR 743230011																																																									
A	DVI ANALOG CABLE(SEE TABLE)																																																									
ITEM	DESCRIPTION																																																									
C	6. CONNECTION DIAGRAM<table><tr><td>SHIELD</td><td>SHIEDL</td><td>GROUND</td></tr><tr><td>C 5</td><td>C 5</td><td>ANLOG GROUND</td></tr><tr><td>C 4</td><td>C 4</td><td>HORIZONTAL SYNC</td></tr><tr><td>C 3</td><td>C 3</td><td>ANLOG</td></tr><tr><td>C 2</td><td>C 2</td><td>ANLOG</td></tr><tr><td>C 1</td><td>C 1</td><td>ANLOG</td></tr><tr><td>PIN 16</td><td>PIN 16</td><td>HOT PLUG DETECT</td></tr><tr><td>PIN 15</td><td>PIN 15</td><td>GROUND(+5V & HV SYNC)</td></tr><tr><td>PIN 14</td><td>PIN 14</td><td>POWER +5V</td></tr><tr><td>PIN 8</td><td>PIN 8</td><td>VERTICAL SYNC</td></tr><tr><td>PIN 7</td><td>PIN 7</td><td>DDC DATA</td></tr><tr><td>PIN 6</td><td>PIN 6</td><td>DDC CLOCK</td></tr><tr><td>DVI_A</td><td>DVI_A</td><td>CABLE FUNCTION</td></tr></table>							SHIELD	SHIEDL	GROUND	C 5	C 5	ANLOG GROUND	C 4	C 4	HORIZONTAL SYNC	C 3	C 3	ANLOG	C 2	C 2	ANLOG	C 1	C 1	ANLOG	PIN 16	PIN 16	HOT PLUG DETECT	PIN 15	PIN 15	GROUND(+5V & HV SYNC)	PIN 14	PIN 14	POWER +5V	PIN 8	PIN 8	VERTICAL SYNC	PIN 7	PIN 7	DDC DATA	PIN 6	PIN 6	DDC CLOCK	DVI_A	DVI_A	CABLE FUNCTION	C											
SHIELD	SHIEDL	GROUND																																																								
C 5	C 5	ANLOG GROUND																																																								
C 4	C 4	HORIZONTAL SYNC																																																								
C 3	C 3	ANLOG																																																								
C 2	C 2	ANLOG																																																								
C 1	C 1	ANLOG																																																								
PIN 16	PIN 16	HOT PLUG DETECT																																																								
PIN 15	PIN 15	GROUND(+5V & HV SYNC)																																																								
PIN 14	PIN 14	POWER +5V																																																								
PIN 8	PIN 8	VERTICAL SYNC																																																								
PIN 7	PIN 7	DDC DATA																																																								
PIN 6	PIN 6	DDC CLOCK																																																								
DVI_A	DVI_A	CABLE FUNCTION																																																								
B	<table><tr><td rowspan="5">ENTER DESCRIPTION EC NO: DG2006-0186 DRWN:PDAI CHKD: APPR:TKAN G</td><td rowspan="5">2006/03/09 2006/03/09 2006/03/10</td><td rowspan="5">DESCRIPTION REV</td><td rowspan="5">QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM/IN</td><td>SCALE ---</td><td>DESIGN UNITS METRIC</td><td rowspan="5"> THIRD ANGLE PROJECTION</td></tr><tr><td></td><td>mm</td><td>INCH</td><td>DRAWN BY PDAI</td><td>DATE 2006/03/07</td><td colspan="2" rowspan="2">TITLE DVI_A ANALOG CABLE</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY ZXDENG</td><td>DATE 2006/03/07</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY BORON</td><td>DATE 2006/03/07</td><td colspan="2" rowspan="2">MATERIAL NO. SEE TABLE</td><td colspan="2" rowspan="2">DOCUMENT NO. SD-88741-003</td><td colspan="2" rowspan="2">SHEET NO. 2 OF 2</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td><td colspan="2" rowspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">SIZE A 4</td><td colspan="6">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>							ENTER DESCRIPTION EC NO: DG2006-0186 DRWN:PDAI CHKD: APPR:TKAN G	2006/03/09 2006/03/09 2006/03/10	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		mm	INCH	DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_A ANALOG CABLE		4 PLACES	± ---	± ---	CHECKED BY ZXDENG	DATE 2006/03/07	3 PLACES	± ---	± ---	APPROVED BY BORON	DATE 2006/03/07	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-88741-003		SHEET NO. 2 OF 2		2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		1 PLACE	± ---	± ---	SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						B
ENTER DESCRIPTION EC NO: DG2006-0186 DRWN:PDAI CHKD: APPR:TKAN G	2006/03/09 2006/03/09 2006/03/10	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN						SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																																												
					mm	INCH	DRAWN BY PDAI					DATE 2006/03/07	TITLE DVI_A ANALOG CABLE																																													
				4 PLACES	± ---	± ---	CHECKED BY ZXDENG					DATE 2006/03/07																																														
				3 PLACES	± ---	± ---	APPROVED BY BORON					DATE 2006/03/07	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-88741-003		SHEET NO. 2 OF 2																																									
				2 PLACES	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																																			
1 PLACE	± ---	± ---	SIZE A 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																					
A	tb_frame_A4_P_ME_T Rev. D 2004/04/02							A																																																		
	6	5	4	3	2	1																																																				