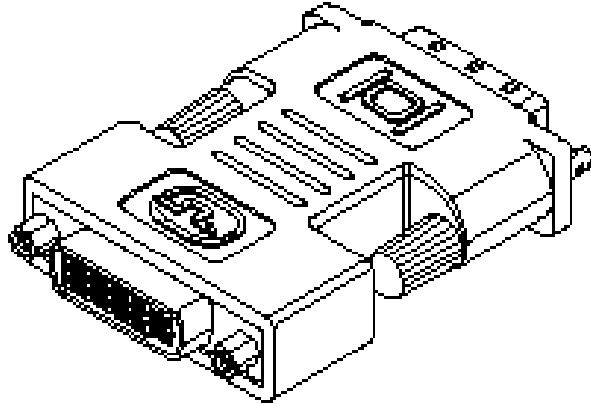


I/O Connectors Datasheet

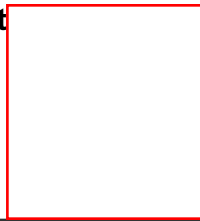


Series image - Reference only

EU RoHS

China RoHS

ELV and RoHS Compliant



Search Parts in this Series

88744 Series

Mates With

74320 receptacles

Part Number: **0887419100**



Status: **Active**

Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-I-Analog/Digital Receptacle to VGA Plug

Documents:

- Drawing (PDF)
- Related Catalog Page (PDF)

Order Products:

- 
- 

Part Detail: (show all)

- **General**
- **Physical**
- **Electrical**
- **Material Info**
- **Reference - Drawing Numbers**

General

Product Family	I/O Connectors
Series	88744
Application	Wire-to-Board
Comments	DVI-I-Analog/Digital Receptacle to VGA Plug
Component Type	Adapter
Product Name	MicroCross™DVI
Type	N/A

Physical

Breakaway	No
Circuits (Loaded)	29
Circuits (maximum)	29
Color - Resin	Natural
Durability (mating cycles) min	100 cycles
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Metal	Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	3
Orientation	Vertical
PCB Retention	Yes
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.075 In
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	1.90 mm
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (uin)	2
Plating min: Mating (uin)	30
Plating min: Mating (um)	0.05
Plating min: Mating (um)	0.75
Plating min: Termination (uin)	100
Plating min: Termination (uin)	150
Plating min: Termination (um)	2.5
Plating min: Termination (um)	3.75
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-20°C to +85°C

Termination Interface: Style	Through Hole
Wire Size AWG	N/A

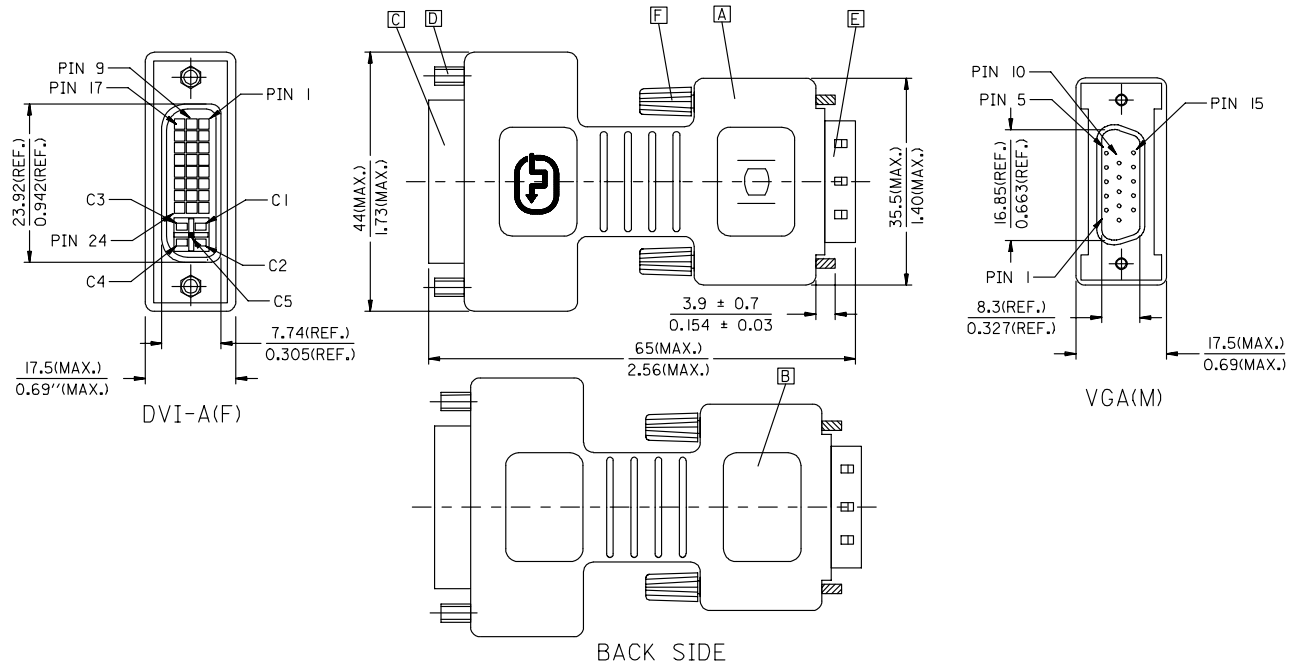
Electrical

Current - Maximum	3.000 Amp
Shielded	Yes
Voltage - Maximum	40V

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88741-012
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ENTER DESCRIPTION EC NO: DG2006-0186 DRW: PDAI CHKD: APPR: KAN	2006/03/09 2006/03/09 2006/03/10	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> <tr> <td colspan="3">ANGULAR ±---°</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	ANGULAR ±---°			DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
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			MM/IN	---	METRIC																					
			DRAWN BY PDAI CHECKED BY ZXDENG APPROVED BY BORON	DATE 2006/03/07 DATE 2006/03/07 DATE 2006/03/07	TITLE DVI_A(F)-VGA(M) ADAPTER																					
			MATERIAL NO. 88741-9100	DOCUMENT NO. SD-88741-012	MOLEX INCORPORATED SHEET NO. 1 OF 2																					

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Rev. D 2004/04/02

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

7 6 5 4 3 2 1

NOTE: I. ADAPTOR COVER MATERIAL

- 1.1 UL GRADE ABS
- 1.2 COLOR: PANTONE 661C
- 2. DVI CONNCECTOR SPECIFICATION
 - 2.1 REFER TO PRODUCT SPEC. PS74320-0001.
 - 2.2 CONTACT PLATING: AU FLASH.
- 3. ELECTRICAL PERFORMANCE
 - 3.1 INSULATION RESISANCE: 20M Ohms Min
 - 3.2 DIELECTRIC STRENGTH: 300V DC FOR 10 MILLISECONDS.
 - 3.3 IMPEDANCE: 75 ± 10% Ohms ON THE CO-AXIAL WIRES.
- 4. ADAPTOR SPECIFICATION
 - 4.1 REFER TO PRODUCT SPEC. PS88741-8700.
- 5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

6. CONNECTION DIAGRAM

SHIELD	SHIELD	GROUND
C 5	PIN R6,G7,B8	ANLOG GROUND
C 4	PIN 13	HORIZONTAL SYNC
C 3	PIN 3	ANLOG
C 2	PIN 2	ANLOG
C 1	PIN 1	ANLOG
PIN 15	PIN 5,10	GROUND(+5V & HV SYNC)
PIN 14,16	PIN 9	POWER +5V/HOT PLUG DETECT
PIN 8	PIN 14	VERTICAL SYNC
PIN 7	PIN 12	DDC DATA
PIN 6	PIN 15	DDC CLOCK
DVI-A(F)	VGA(M)	CABLE FUNCTION

7. MATERIAL LIST

ITEM	DESCRIPTION
F	ADAPTER SCREW 887806008
E	VGA D-SUB CONNECTOR
D	DVI_A FEMALE SCREW 887806066 887899320
C	DVI_A FEMALE CONNECTOR 743206001
B	DVI_A(F) TO VGA(M) ADAPTER BOTTOM COVER 887899313
A	DVI_A(F) TO VGA(M) ADAPTER TOP COVER 887899300

ENTER DESCRIPTION EC NO: DG2006-0186 DRW: PDAI CHKD: 2006/03/09 APPR: KAN 2006/03/10	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> </tbody> </table> ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	DIMENSION STYLE MM/IN DRAWN BY PDAI DATE 2006/03/07 CHECKED BY ZXDENG DATE 2006/03/07 APPROVED BY BORON DATE 2006/03/07	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE DVI_A(F)-VGA(M) ADAPTER
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SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

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