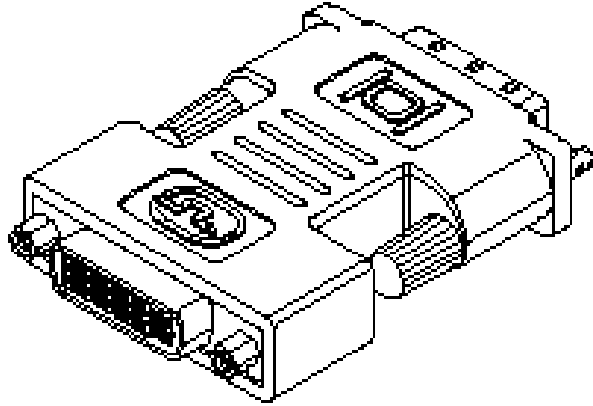


I/O Connectors Datasheet

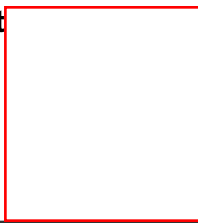


Series image - Reference only

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:

- 
 - Check Distributor Inventory
 - Request Samples

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

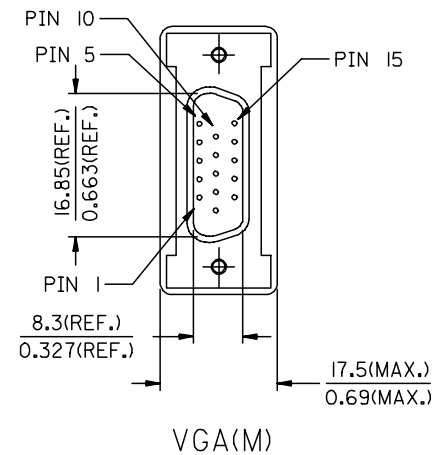
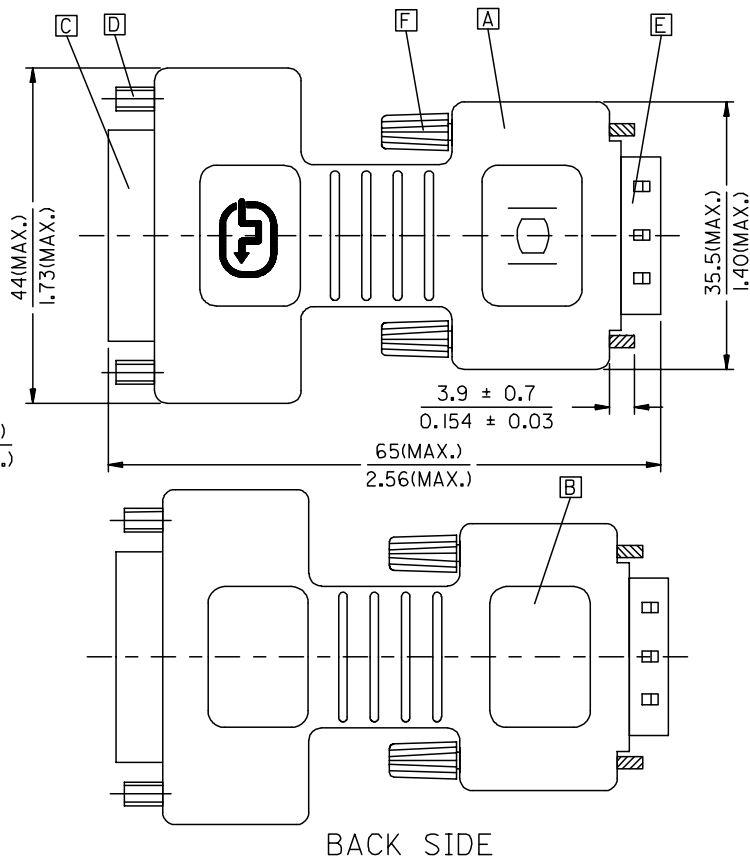
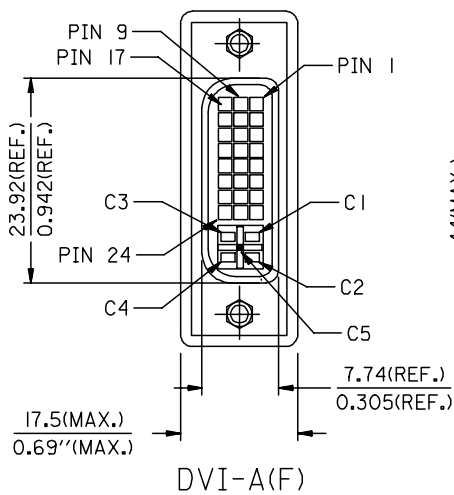
Termination Interface: Style	Through Hole
Wire Size AWG	N/A

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 DRWN: PDAI CHKD: APPR: TKAN	2006/03/09 2006/03/09 2006/03/10	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				mm	INCH	MM/IN	---	METRIC		
			4 PLACES	±---	±---	DRAWN BY	DATE	TITLE		
			3 PLACES	±---	±---	PDAI	2006/03/07	DVI_A(F)-VGA(M) ADAPTER		
	2 PLACES	±---	±---	CHECKED BY	DATE					
	1 PLACE	±---	±---	ZXDENG	2006/03/07					
	ANGULAR ±---°		APPROVED BY		DATE					
			BORON		2006/03/07					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.	SHEET NO.				
			88741-9100		SD-88741-012	1 OF 2				
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			A 4							

NOTE: 1. ADAPTOR COVER MATERIAL

- 1.1 UL GRADE ABS
- 1.2 COLOR: PANTONE 661C
- 2. DVI CONNCTOR SPECIFICATION
 - 2.1 REFER TO PRODUCT SPEC. PS74320-0001.
 - 2.2 CONTACT PLATING: AU FLASH.
- 3. ELECTRICAL PERFORMANCE
 - 3.1 INSULATION RESISANCE: 20 M 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 DRWN: PDAI CHKD: APPR: TKAN	2006/03/09 2006/03/09 2006/03/10	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																											
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