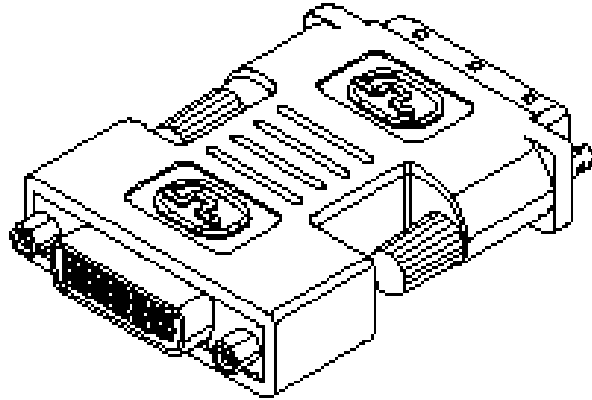


## I/O Connectors Datasheet

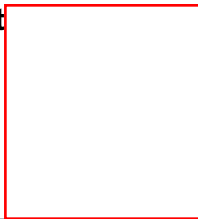


Series image - Reference only

EU RoHS

China RoHS

ELV and RoHS Compliant



**Search Parts in this Series**

88744 Series

**Mates With**

74320 receptacles

**Part Number:** **0887419400**



**Status:** **Active**

**Description:** MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-I-Analog/Digital Receptacle to DVI Digital 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	<b>88744</b>
Application	Wire-to-Board
Comments	DVI-I-Analog/Digital Receptacle to DVI Digital Plug
Component Type	Adapter
Product Name	MicroCross™DVI
Type	N/A

**Physical**

Breakaway	No
Circuits (Loaded)	29
Circuits (maximum)	29
Color - Resin	Black
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
Material - Resin	Polyester
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)	10
Plating min: Mating (uin)	2
Plating min: Mating (um)	0.05
Plating min: Mating (um)	0.25
Plating min: Termination (uin)	150
Plating min: Termination (um)	3.75
Plating min: Termination (um)	3.80
Polarized to Mating Part	Yes

Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	N/A
Termination Interface: Style	Through Hole
Wire Size AWG	N/A

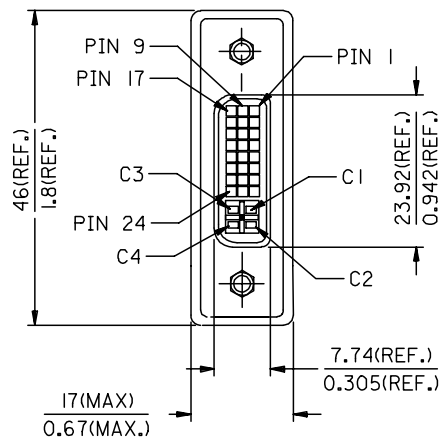
### **Electrical**

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

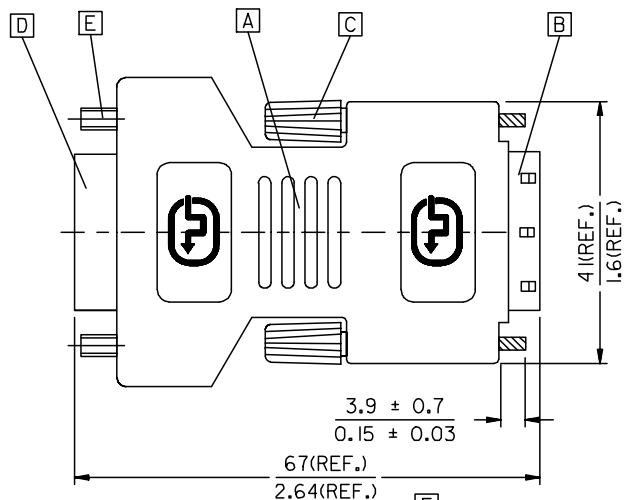
### **Material Info**

### **Reference - Drawing Numbers**

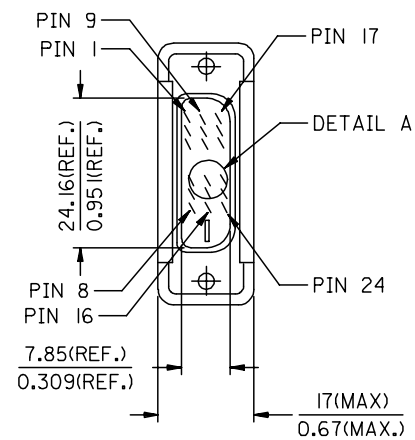
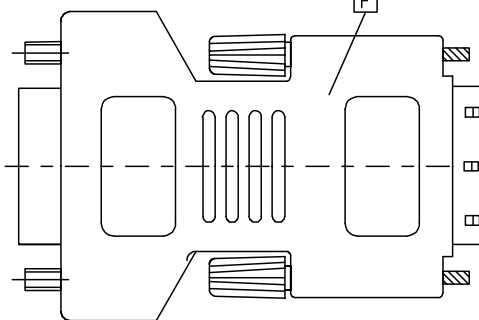
Sales Drawing	SD-88741-015
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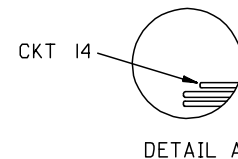
DVI\_I(F)



BACK SIDE



DVI\_D(M)



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 MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	DESCRIPTION REV		4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm INCH	± --- ± --- ± --- ± ---	± --- ± --- ± --- ± ---	DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_I(F)-DVI_D(M) ADAPTE		
			ANGULAR ± ---°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY BORON	DATE 2006/03/07	MOLEX INCORPORATED			
				MATERIAL NO. 88741-9400	DOCUMENT NO. SD-88741-015	SHEET NO. 1 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

E

- NOTE:1. PLASTIC COVER: SNOW WHITE UL GRADE ABS.  
 2. DVI CONNCEOTOR 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.  
 4. ADAPTOR SPECIFICATION  
 4.1 REFER TO PRODUCT SPEC. PS88741-8800.  
 5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7 . MATERIAL LIST

F	DVI_I(F) TO DVI_D(M) BOTTOM COVER 887899359
E	DVI_I CONNECTOR FEMALE SCREW 887806066
D	DVI_I FEMALE CONNECTOR 743206500
C	SCREW (FOR COVER) 887806003
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001
A	DVI_I(F) TO DVI_D(M) TOP COVER 887899303
ITEM	DESCRIPTION

D




6. CONNECTION DIAGRAM

SHIELD	SHIEDL	GROUND
PIN 24	PIN 24	TMDS CLOCK-
PIN 23	PIN 23	TMDS CLOCK+
PIN 22	PIN 22	TMDS CLOCK SHIELD
PIN 19	PIN 19	TMDS DATA 0 SHIELD
PIN 18	PIN 18	TMDS DATA 0+
PIN 17	PIN 17	TMDS DATA 0-
PIN 16	PIN 16	HOT PLUG DETECT
PIN 15	PIN 15	GROUND(+5V & HV SYNC.)
PIN 14	PIN 14	POWER +5V
PIN 11	PIN 11	TMDS DATA 1 SHIELD
PIN 10	PIN 10	TMDS DATA 1+
PIN 9	PIN 9	TMDS DATA 1-
PIN 7	PIN 7	DDC DATA
PIN 6	PIN 6	DDC CLOCK
PIN 3	PIN 3	TMDS DATA 2 SHIELD
PIN 2	PIN 2	TMDS DATA 2+
PIN 1	PIN 1	TMDS DATA 2-
DVI_I	DVI_D	CABLE FUNCTION

C

B

A

ENTER DESCRIPTION EC NO: DG2006-0186 DRWN:PDAI CHKD: APPR:TKAN	2006/03/09 2006/03/09 2006/03/10	QUALITY SYMBOLS  =0  =0.05	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	4 PLACES ± --- ± ---		DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_I(F)-DVI_D(M) ADAPTE				
	3 PLACES ± --- ± ---		CHECKED BY ZXDENG	DATE 2006/03/07	APPROVED BY BORON				
	2 PLACES ± --- ± ---		MATERIAL NO. 88741-9400		DOCUMENT NO. SD-88741-015		SHEET NO. 2 OF 2		
1 PLACE ± --- ± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
ANGULAR ± ---°								MOLEX MOLEX INCORPORATED	