

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0887419200](#)  
**Status:** **Active**  
**Description:** MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-Digital Receptacle to P&D-Digital Plug

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

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

**Physical**

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black, Natural
Durability (mating cycles max)	100
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze, Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic, Polyester
Orientation	Vertical
PCB Retention	Yes
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.075 In
Pitch - Mating Interface (mm)	1.90 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
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Solder or Weld, Through Hole
Wire Size AWG	N/A

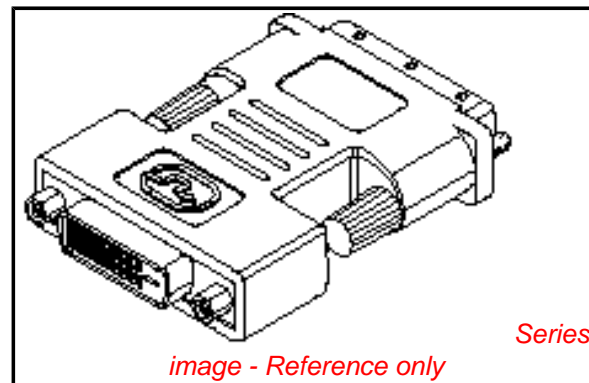
**Electrical**

Current - Maximum per Contact	3A
Shielded	Yes
Voltage - Maximum	40V

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	SD-88741-013
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*image - Reference only*

**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](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

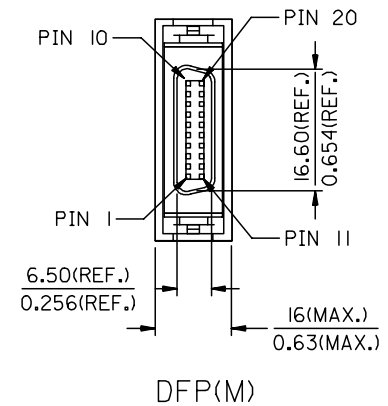
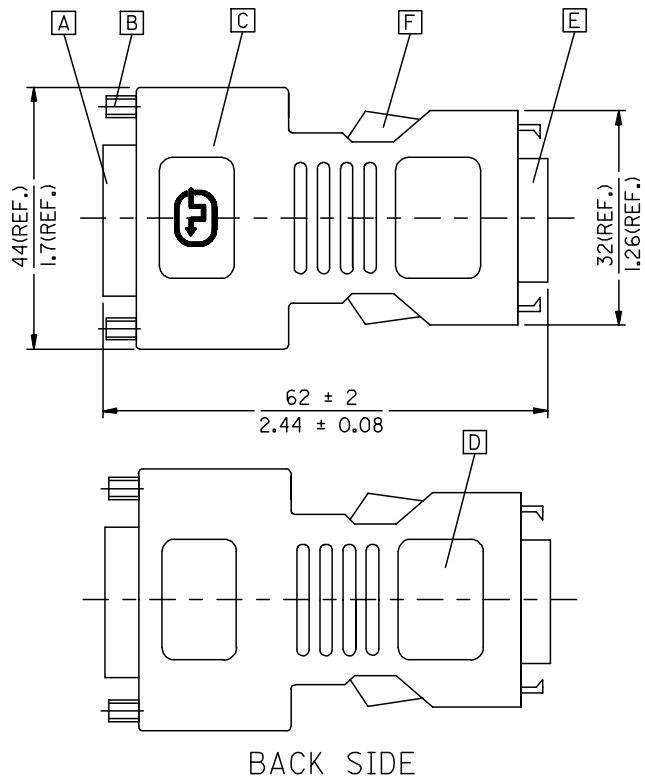
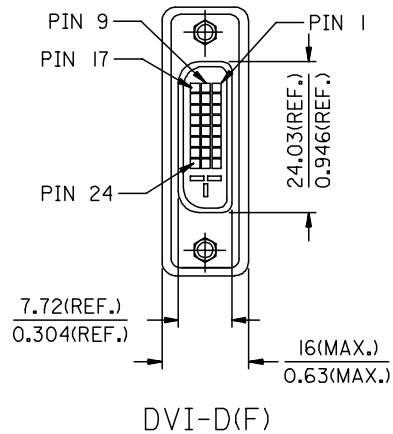
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

88744Series

**Mates With**

74320 receptacles



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		mm	INCH	DRAWN BY	DATE	TITLE				
	REV		4 PLACES	± ---	± ---	PDAI	2006/03/07	DVI_D(F)-DFP(M) ADAPTER			
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED			
	2 PLACES	± ---	± ---	ZXDENG	2006/03/07	MATERIAL NO.					
	1 PLACE	± ---	± ---	APPROVED BY	DATE	88741-9300		DOCUMENT NO.		SHEET NO.	
	ANGULAR	± ---°		BORON	2006/03/07			SD-88741-014		1 OF 2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

- NOTE:1. PLASTIC COVER: SNOW WHITE UL GRADE ABS.  
 2. DVI CONNCEOTOR SPECIFICATION  
 2.1 REFER TO PRODUCT SPEC. PS-74320-001  
 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. PS8874I-8800.  
 5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7. MATERIAL LIST

ITEM	DESCRIPTION
F	SNOW WHITE LATCH 887899305
E	DFP20 CONNECTOR 887899294
D	DVI(F) TO DFP(M) ADAPTER BOTTOM COVER 887899307
C	DVI(F) TO DFP(M) ADAPTER TOP COVER 887899302
B	DVID FEMALE SCREW 887806066
A	DVID FEMALE CONNECTOR 743207000

6. CONNECTION DIAGRAM

SHIELD	SHIEDL	GROUND
PIN 24	PIN 6	TMDS CLOCK-
PIN 23	PIN 5	TMDS CLOCK+
PIN 22	PIN 4	TMDS CLOCK SHIELD
PIN 19	PIN 14	TMDS DATA 0 SHIELD
PIN 18	PIN 15	TMDS DATA 0+
PIN 17	PIN 16	TMDS DATA 0-
PIN 16	PIN 18	HOT PLUG DETECT
PIN 15	PIN 7	GROUND(+5V & HV SYNC.)
PIN 14	PIN 8	POWER +5V
PIN 11	PIN 3	TMDS DATA 1 SHIELD
PIN 10	PIN 1	TMDS DATA 1+
PIN 9	PIN 2	TMDS DATA 1-
PIN 7	PIN 19	DDC DATA
PIN 6	PIN 20	DDC CLOCK
PIN 3	PIN 13	TMDS DATA 2 SHIELD
PIN 2	PIN 11	TMDS DATA 2+
PIN 1	PIN 12	TMDS DATA 2-
DVI_D(F)	DFP(M)	CABLE FUNCTION

ENTER DESCRIPTION EC NO: DG2006-0186 DRWN: PDAI CHKD: APPR: TKAN	2006/03/09 2006/03/09 2006/03/10	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			$\nabla=0$ $\nabla=0$	mm      INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES $\pm$ --- $\pm$ --- 1 PLACE $\pm$ --- $\pm$ --- ANGULAR $\pm$ ---°	MM/IN	---	METRIC	DRAWN BY      DATE PDAI      2006/03/07 CHECKED BY      DATE ZXDENG      2006/03/07 APPROVED BY      DATE BORON      2006/03/07	TITLE DVI_D(F)-DFP(M) ADAPTER
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 88741-9300	DOCUMENT NO. SD-88741-014	SHEET NO. 2 OF 2			
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