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Part Number: [0887419300](#)
Status: **Active**
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-Digital Receptacle to DFP 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 DFP Plug
Component Type	Adapter
Product Name	MicroCross™DVI
Type	N/A

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural
Durability (mating cycles max)	100
Lock to Mating Part	Yes
Material - Metal	Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
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)	2
Plating min: Mating (µm)	0.05
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	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-88741-014
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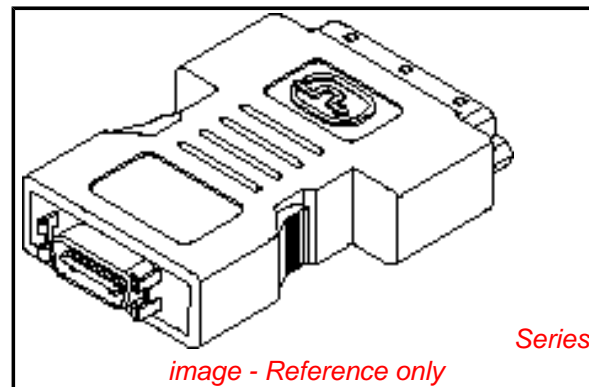


image - Reference only

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
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

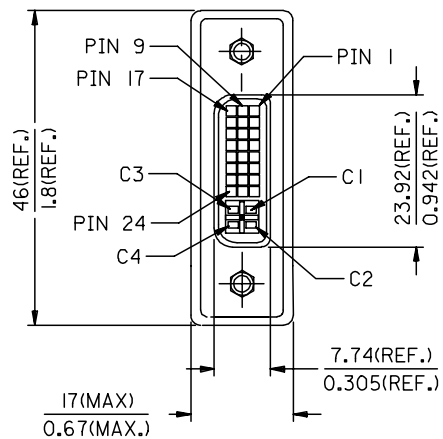
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

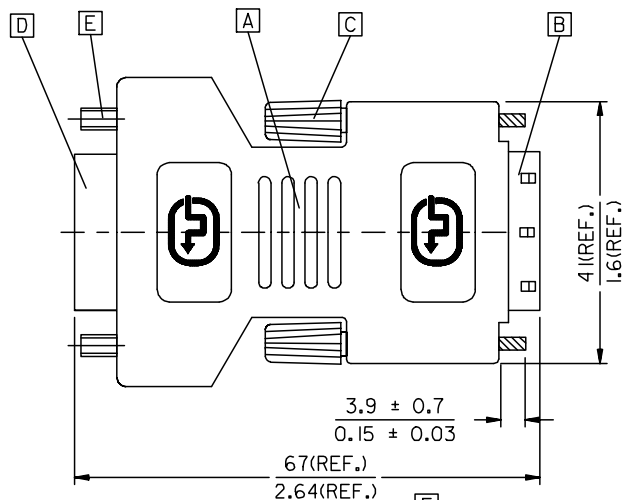
88744Series

Mates With

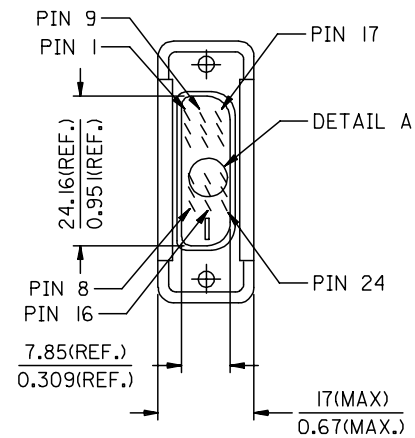
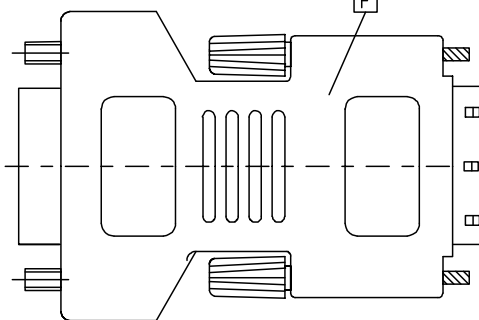
74320 receptacles



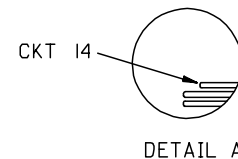
DVI_I(F)



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		mm INCH	DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_I(F)-DVI_D(M) ADAPTE				
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	APPROVED BY BORON	DATE 2006/03/07	MOLEX INCORPORATED				
			ANGULAR ± ---°	MATERIAL NO. 88741-9400	DOCUMENT NO. SD-88741-015	SHEET NO. 1 OF 2				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			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. 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

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

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	
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		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 88741-9400		DOCUMENT NO. SD-88741-015		SHEET NO. 2 OF 2			
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