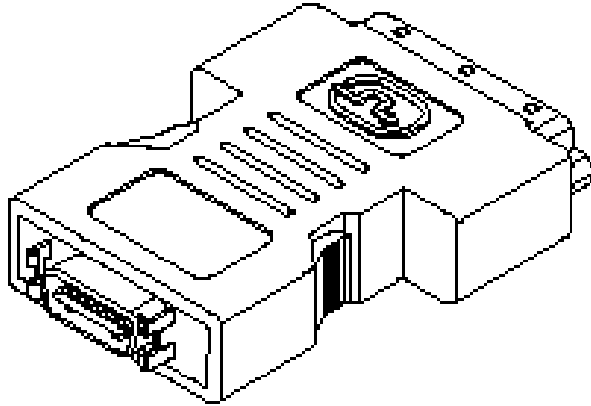


I/O Connectors Datasheet



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: **0887419300**


Status: **Active**

Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-Digital Receptacle to DFP 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-Digital Receptacle to DFP Plug
Component Type	Adapter
Product Name	MicroCross™DVI
Type	N/A

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural
Durability (mating cycles) min	100 cycles
Lock to Mating Part	Yes
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 (mm)	1.90 mm
Plating min: Mating (uin)	2
Plating min: Mating (um)	0.05
Plating min: Termination (uin)	150
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-88741-014

7 6 5 4 3 2 1

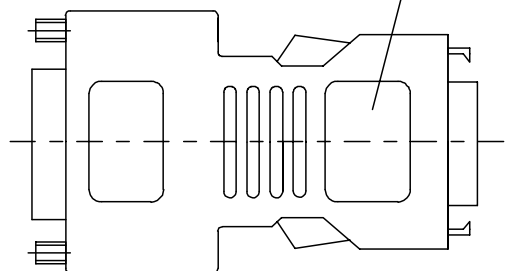
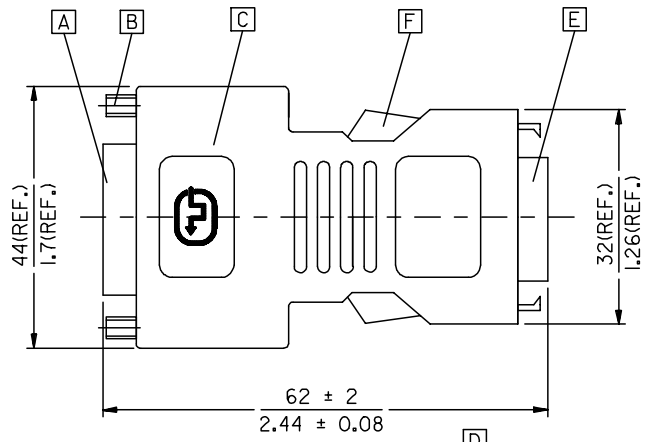
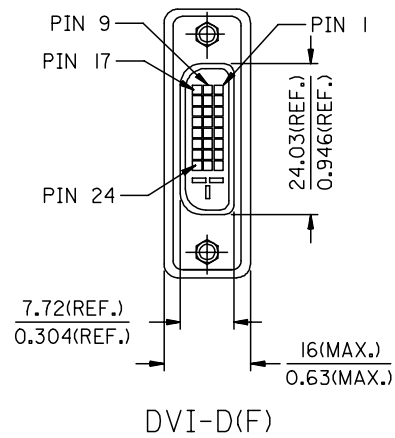
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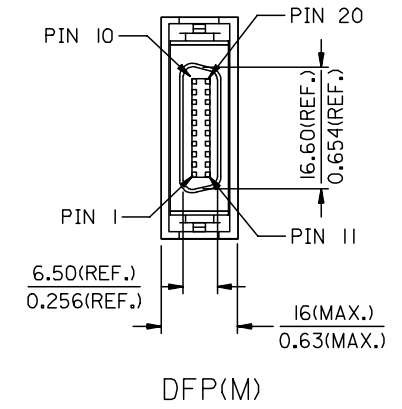
C

B

A



BACK SIDE



DFP(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		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_D(F)-DFP(M) ADAPTER			
	REV		ANGULAR ± ---°	CHECKED BY ZXDENG	DATE 2006/03/07	APPROVED BY BORON			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 88741-9300	DOCUMENT NO. SD-88741-014	MOLEX INCORPORATED		SHEET NO. 1 OF 2	

6 5 4 3 2 1

- 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		
			$\nabla = 0$ $\nabla \square = 0$	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.	DOCUMENT NO.	SHEET NO.	MOLEX INCORPORATED 88741-9300 SD-88741-014 2 OF 2			
			SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							