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Part Number: [0887418900](#)
Status: **Active**
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-Digital Plug to P&D-Digital Receptacle

Documents:

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

General

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

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	100
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze, Steel
Material - Plating Mating	Gold, n/a
Material - Plating Termination	Tin
Material - Resin	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, 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, Through Hole
Wire Size AWG	N/A

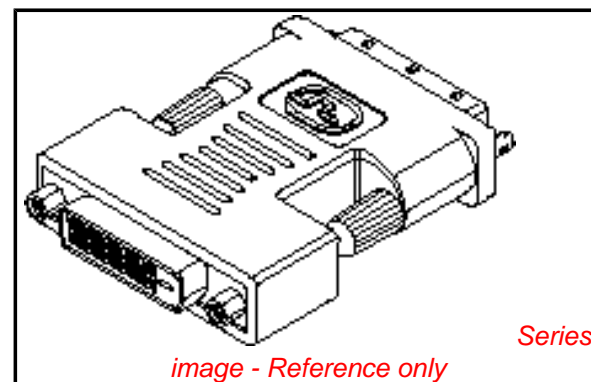
Electrical

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

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88741-010
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EU RoHS

RoHS Compliant by Exemption
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](#)

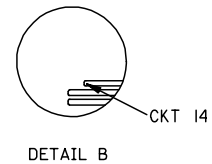
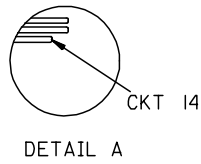
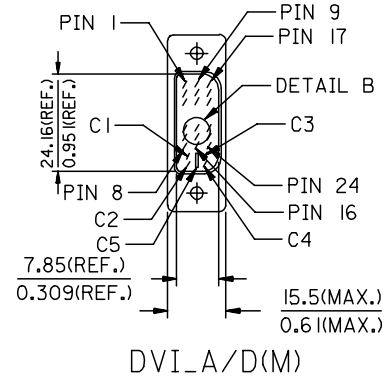
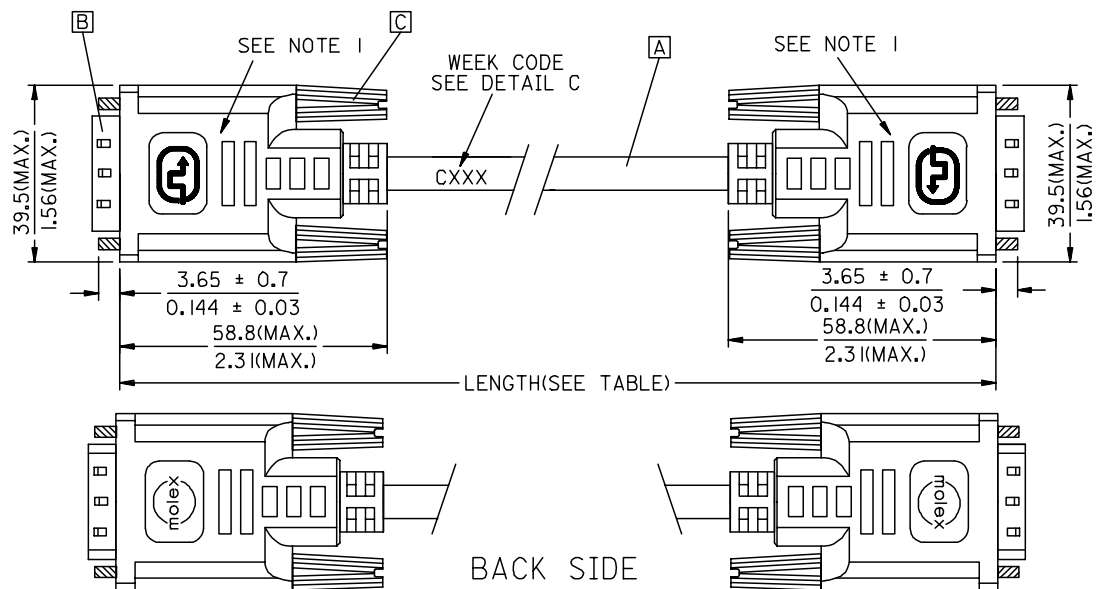
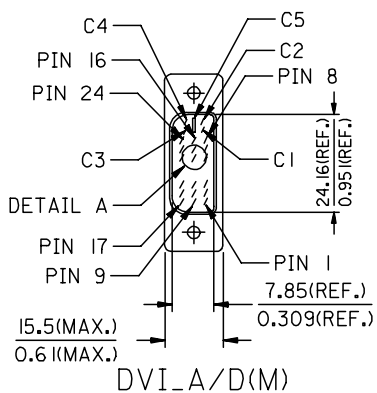
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

88744Series

Mates With

74320 receptacles



CXXX
 WEEK NO. FOR YEAR.
 YEAR NO.
 "C" FOR MOLEX CHINA
DETAIL C

MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N
88741-9021	DVI-I-DVI-I A/D CABLE 5M IVORY	5000 ± 150 196.9 ± 5.9	IVORY	887808325
88741-9011	DVI-I-DVI-I A/D CABLE 3M IVORY	3000 ± 80 118.1 ± 3.1	IVORY	887808325
88741-9001	DVI-I-DVI-I A/D CABLE 2M IVORY	2000 ± 60 78.7 ± 2.4	IVORY	887808325
88741-9020	DVI-I-DVI-I A/D CABLE 5M BLK	5000 ± 150 196.9 ± 5.9	BLACK	887808326
88741-9010	DVI-I-DVI-I A/D CABLE 3M BLK	3000 ± 80 118.1 ± 3.1	BLACK	887808326
88741-9000	DVI-I-DVI-I A/D CABLE 2M BLK	2000 ± 60 78.7 ± 2.4	BLACK	887808326

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/IN	---	METRIC	⊕	
			4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE	
			3 PLACES	± ---	± ---	PDAI	2006/03/07	DVI-I - DVI-I A/D CABLE	
			2 PLACES	± ---	± ---	CHECKED BY	DATE		
			1 PLACE	± ---	± ---	ZXDENG	2006/03/07		
			ANGULAR ± ---°		APPROVED BY	DATE			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		BORON	2006/03/07			
					MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
					SEE TABLE	SD-88741-011		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. OVERMOLD SPECIFICATION

- 1.1 DVI BOOT MOLDED WITH SNOW WHITE PVC RESIN P/N IS 887800076.
- 1.2 UL94V-0, COLOR: MAD432
- 1.3 HARDNESS (DUROMETER): SHORE A 90-95
- 2. MECHANICAL SPECIFICATION
- 2.1 CABLE SHOULD STAND THE PULL FORCE 89-11IN FOR 30 SECONDS WITH NO VISIBLE TERMINATION DAMAGE.
- 2.2 CABLE SHOULD PASS THE FLEX TEST IN 100 CYCLES AT EACH OF PLANES, PER EIA 364-41, CONDITION 1.
- 3. CABLE ELECTRICAL SPECIFICATION
- 3.1 DIELECTRIC STRENGTH: 300VDC FOR 10mS.
- 3.2 SIGNAL LINE INSULATION RESISTANCE: 20 MEGA Ohms
- 3.3 COAXIAL LINES CHARACTERISTIC IMPEDANCE: 75±7.5 Ohms @TDR.
- 3.4 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE: 100±7 Ohms @TDR.
- 4. DVI CONNECTOR SPECIFICATION
- 4.1 REFER TO PRODUCT SPEC. PS-74320-001.
- 4.2 CONTACT PLATING: AU FLASH.
- 5. SHORTCIRCUIT AMONG DRAIN WIRES SIGNAL GROUND IS ACCEPTABLE.
- 6. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7. CONNECTION DIAGRAM

SHIELD	SHIEDL	OUTER SHIELD
C5	C5	ANALOG GROUND
C4	C4	HORIZONTAL SYNC.
C3	C3	ANALOG BLUE
C2	C2	ANALOG GREEN
C1	C1	ANALOG RED
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
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
PIN 10	PIN 10	TMDS DATA 1+
PIN 9	PIN 9	TMDS DATA 1-
PIN 8	PIN 8	VERTICAL SYNC.
PIN 7	PIN 7	DDC DATA
PIN 6	PIN 6	DDC CLOCK
PIN 3	PIN 3	TMDS DATA 2
PIN 2	PIN 2	TMDS DATA 2+
PIN 1	PIN 1	TMDS DATA 2-
DVI_A/D	DVI_A/D	CABLE FUNCTION

8. MATERIAL LIST

ITEM	DESCRIPTION
C	DVI THUMB SCREW 887806129
B	DVI_I G/F CONNECTOR 743230031
A	DVI ANALOG DIGITAL CABLE (SEE TABLE)

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	
				mm INCH	DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI-I - DVI-I A/D CABLE			
				4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	CHECKED BY ZXDENG	DATE 2006/03/07	MOLEX INCORPORATED			
				ANGULAR ±1/2°	APPROVED BY BORON	DATE 2006/03/07	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-88741-011	SHEET NO. 2 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							