

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0887418420](#)
Status: **Active**
Overview: [microcross dvi](#)
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Analog-to-P&D-Analog, Black, 5.0m (16.40') Length

Documents:

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

General

Product Family	Cable Assemblies
Series	88744
Connector to Connector	DVI-Analog-to-P&D-Analog
Overview	microcross dvi
Product Name	MicroCross™DVI

Physical

Cable Length	5.0m (16.40')
Circuits (Loaded)	29
Color - Resin	Black
Gender	Plug/Plug
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Packaging Type	Bag
Pitch - Mating Interface (in)	0.075 In, 0.100 In
Pitch - Mating Interface (mm)	1.90 mm, 2.54 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
Single Ended	No
Termination Interface: Style	N/A, Solder or Weld
Wire Insulation Diameter	N/A
Wire Size AWG	N/A
Wire/Cable Type	N/A

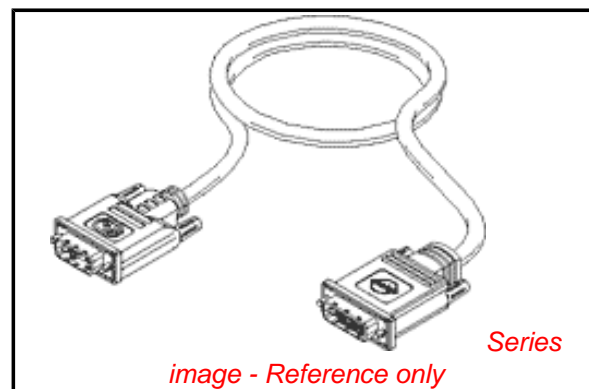
Electrical

Current - Maximum per Contact	3A
Shielded	Yes

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88741-005
---------------	--------------



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](#)

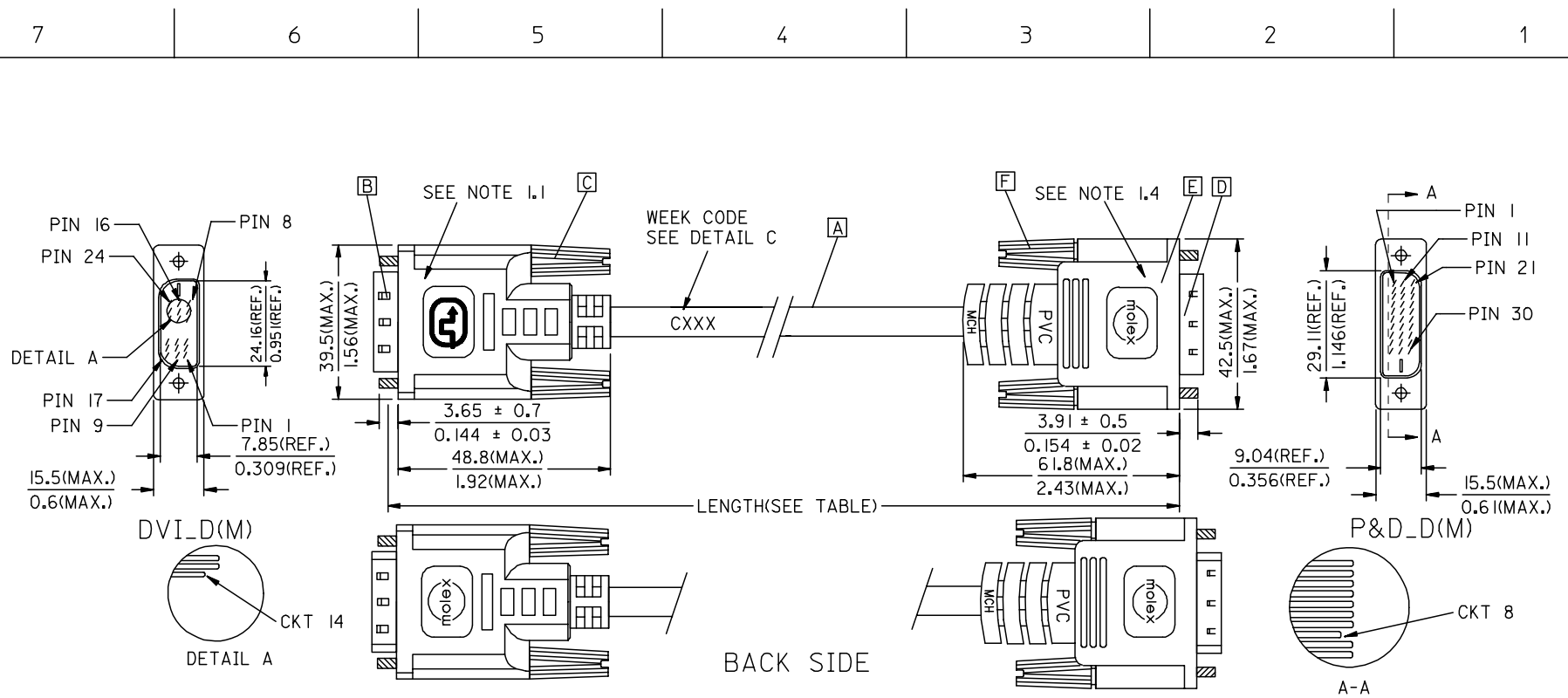
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[88744Series](#)

Mates With

[74320](#) MicroCross™ DVI-I Digital/Analog Visual Interface, PCB Receptacle



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

DETAIL C

88741-8521	DVI_D-P&D_D DIGITAL CABLE ASS'Y 5M PARCHMENT WHT	5000 ± 150 196.9 ± 5.9	PARCHMENT WHITE	887808287
88741-8511	DVI_D-P&D_D DIGITAL CABLE ASS'Y 3M PARCHMENT WHT	3000 ± 80 118.1 ± 3.1	PARCHMENT WHITE	887808287
88741-8501	DVI_D-P&D_D DIGITAL CABLE ASS'Y 2M PARCHMENT WHT	2000 ± 60 78.7 ± 2.4	PARCHMENT WHITE	887808287
88741-8520	DVI_D-P&D_D DIGITAL CABLE ASS'Y 5M BLK	5000 ± 150 196.9 ± 5.9	BLACK	887808276
88741-8510	DVI_D-P&D_D DIGITAL CABLE ASS'Y 3M BLK	3000 ± 80 118.1 ± 3.1	BLACK	887808276
88741-8500	DVI_D-P&D_D DIGITAL CABLE ASS'Y 2M BLK	2000 ± 60 78.7 ± 2.4	BLACK	887808276
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N

ENTER DESCRIPTION EC NO: DG2006-0186 T/DRWN:PDAI 2006/03/09 CHKD: 2006/03/09 APPR:TKAN 2006/03/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▼=0 ◻=0	4 PLACES	± ---	± ---	DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_D-P&D_D DIGITAL CBL	
		3 PLACES	± ---	± ---	CHECKED BY ZXDENG	DATE 2006/03/07	MOLEX MOLEX INCORPORATED	
		2 PLACES	± ---	± ---	APPROVED BY BORON	DATE 2006/03/07	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-88741-006
		1 PLACE	± ---	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		ANGULAR ± ---°						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

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
- 1.4 P&D BOOT MOLDED WITH PVC RESIN P/N IS 887800053.

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 I.

3. CABLE ELECTRICAL SPECIFICATION

- 3.1 DIELECTRIC STRENGTH: 300VDC FOR 10mS.
- 3.2 INSULATION RESISTANCE: 20 MEGA Ohms
- 3.3 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE: 100 ± 7 Ohms @TDR.

4. DVI CONNECTOR SPECIFICATION

- 4.1 REFER TO PRODUCT SPEC. PS74320-0001.
 - 4.2 CONTACT PLATING: AU FLASH.
5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

6. CONNECTION DIAGRAM

SHIELD	SHIELD	GROUND
PIN 24	PIN 15	TMDS CLOCK-
PIN 23	PIN 14	TMDS CLOCK+
PIN 22	PIN 7	TMDS CLOCK SHIELD
PIN 19	PIN 23	TMDS DATA 0 SHIELD
PIN 18	PIN 21	TMDS DATA 0+
PIN 17	PIN 22	TMDS DATA 0-
PIN 16	PIN 8	HOT PLUG DETECT
PIN 15	PIN 25	GROUND(+5V & HV SYNC.)
PIN 14	PIN 28	POWER +5V
PIN 11	PIN 13	TMDS DATA 1 SHIELD
PIN 10	PIN 11	TMDS DATA 1+
PIN 9	PIN 12	TMDS DATA 1-
PIN 7	PIN 26	DDC DATA
PIN 6	PIN 27	DDC CLOCK
PIN 3	PIN 3	TMDS DATA 2 SHIELD
PIN 2	PIN 1	TMDS DATA 2+
PIN 1	PIN 2	TMDS DATA 2-
DVI_D	P&D_D	CABLE FUNCTION

7. MATERIAL LIST

ITEM	DESCRIPTION
F	EVC THUMB SCREW(WHITE) 717571000
E	EVC BOOT (WHITE) 737840001
D	P&D CONNECTOR ASSY 674850009
C	DVI THUMB SCREW 887806077
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001
A	DVI DIGITAL SINGLE LINK CABLE(SEE TABLE)

ENTER DESCRIPTION EC NO: DG2006-0186 T/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	
	4 PLACES ± --- mm ± --- INCH		DRAWN BY PDAI	DATE 2006/03/07	TITLE DVI_D-P&D_D DIGITAL CBL					
	3 PLACES ± --- mm ± --- INCH		CHECKED BY ZXDENG	DATE 2006/03/07	APPROVED BY BORON					
	2 PLACES ± --- mm ± --- INCH		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-88741-006		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