

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0887418520

Status:

Active

Overview:

microcross_dvi

Description:

MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Digital-to-P&D-Digital, 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-Digital-to-P&D-Digital

Overview

microcross_dvi

Product Name

MicroCross™DVI

Physical

Cable Length

5.0m (16.40')

Circuits (Loaded)

24

Color - Resin

Black

Gender

Plug/Plug

Lock to Mating Part

None

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Polyester

Packaging Type

Bag

Pitch - Mating Interface (in)

0.075 In

Pitch - Mating Interface (mm)

1.90 mm

Plating min: Mating (µin)

10

Plating min: Mating (µm)

0.25

Plating min: Termination (µin)

150

Plating min: Termination (µm)

3.75

Single Ended

No

Termination Interface: Style

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

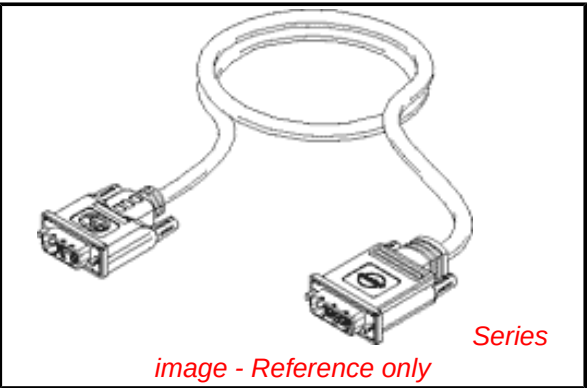
Yes

Material Info

Reference - Drawing Numbers

Sales Drawing

SD-88741-006



EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

50

Pb

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.

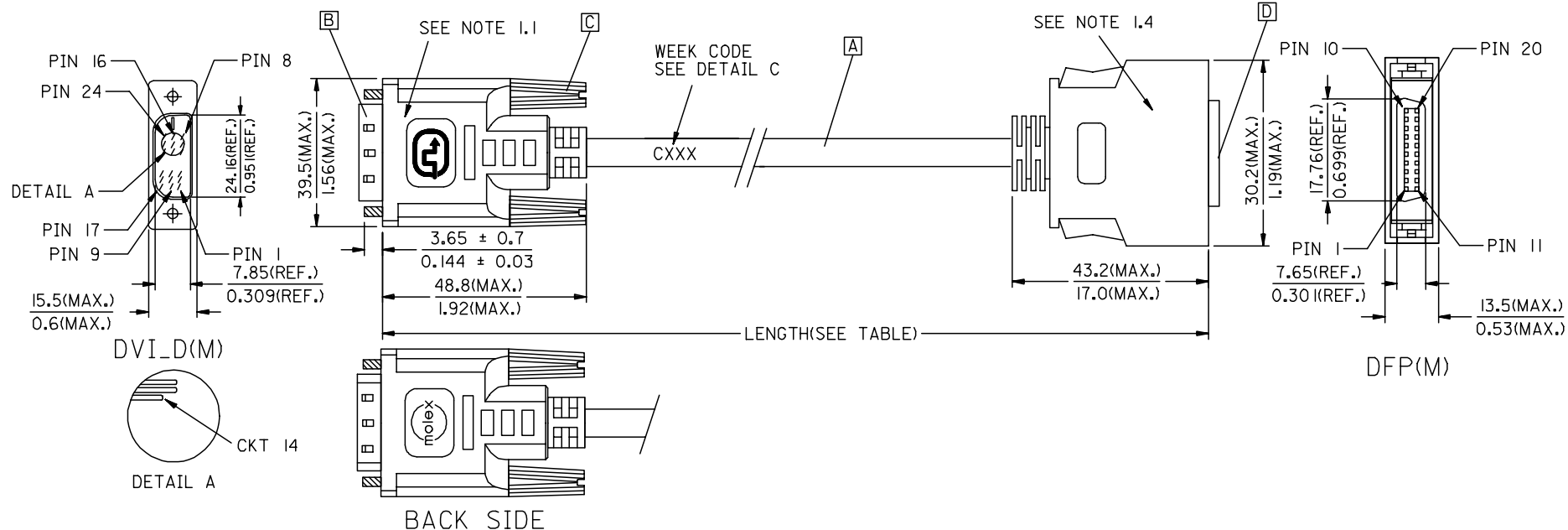
Search Parts in this Series

88744Series

Mates With

74320 MicroCross™ DVI-I Digital/Analog Visual Interface, PCB Receptacle

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

8874I-862I	DVI_D-DFP DIGITAL CABLE ASS'Y 5M PARCHMENT WHT	5000 ± 150 196.9 ± 5.9	PARCHMENT WHITE	887808287
8874I-861I	DVI_D-DFP DIGITAL CABLE ASS'Y 3M PARCHMENT WHT	3000 ± 80 118.1 ± 3.1	PARCHMENT WHITE	887808287
8874I-860I	DVI_D-DFP DIGITAL CABLE ASS'Y 2M PARCHMENT WHT	2000 ± 60 78.7 ± 2.4	PARCHMENT WHITE	887808827
8874I-8620	DVI_D-DFP DIGITAL CABLE ASS'Y 5M BLK	5000 ± 150 196.9 ± 5.9	BLACK	887808276
8874I-8610	DVI_D-DFP DIGITAL CABLE ASS'Y 3M BLK	3000 ± 80 118.1 ± 3.1	BLACK	887808276
8874I-8600	DVI_D-DFP 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 DRWN:PDAI CHKD: APPR:TKAN		2006/03/09 2006/03/09 2006/03/10		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr></tbody></table>				mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± ---	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
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G		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWN BY PDAI		DATE 2006/03/07		TITLE DVI_D-DFP DIGITAL CBL																			
						CHECKED BY ZXDENG		DATE 2006/03/07																					
						APPROVED BY BORON		DATE 2006/03/07		molex MOLEX INCORPORATED																			
						MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-88741-007						SHEET NO. 1 OF 2															
SIZE A4										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

7 6 5 4 3 2 1

NOTE:1. OVERMOLD SPECIFICATION

- 1.1 DVI BOOT MOLDED WITH SONW WHITE PVC RESIN P/N IS 887800076.
- 1.2 UL94V-0, COLOR: MAD432
- 1.3 HARDNESS (DUROMETER): SHORE A 90-95
- 1.4 DFP BOOT MOLDED WITH UL94V-0 ABS.

2. MECHANICAL SPECIFICATION

- 2.1 CABLE SHOULD STAND THE PULL FORCE 89-111N 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 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. PS-74320-001.
- 4.2 CONTACT PLATING: AU FLASH.

5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

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	DFP	CABLE FUNCTION

7 . MATERIAL LIST

D	MDR 20 CONNECTOR(ACON) 887899280
C	DVI THUMB SCREW 887806077
B	DVI.D SINGLE CHANNEL G/F CONNECTOR 743230101
A	DVI DIGITAL SINGLE LINK CABLE(SEE TABLE)
ITEM	DESCRIPTION

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