

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0887418510

Status:

Active

Overview:

microcross_dvi

Description:

MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Digital-to-P&D-Digital, Black, 3.0m (9.84') Length

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Connector to Connector

Overview

Product Name

Cable Assemblies

88744

DVI-Digital-to-P&D-Digital

microcross_dvi

MicroCross™DVI

Physical

Cable Length

Circuits (Loaded)

Color - Resin

Gender

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Single Ended

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire/Cable Type

3.0m (9.84')

24

Black

Plug/Plug

None

Phosphor Bronze

Gold

Tin

Polyester

Bag

0.075 In

1.90 mm

10

0.25

150

3.75

No

Solder or Weld

N/A

N/A

N/A

Electrical

Current - Maximum per Contact

Shielded

3A

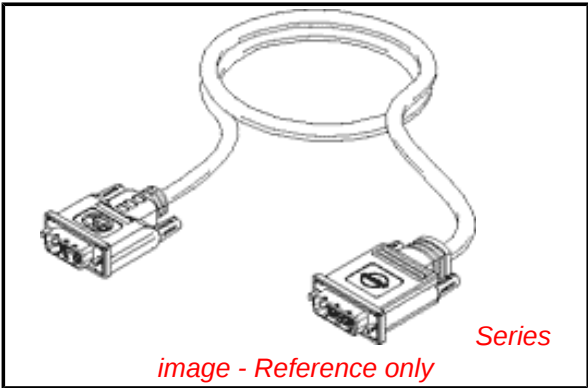
Yes

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



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.

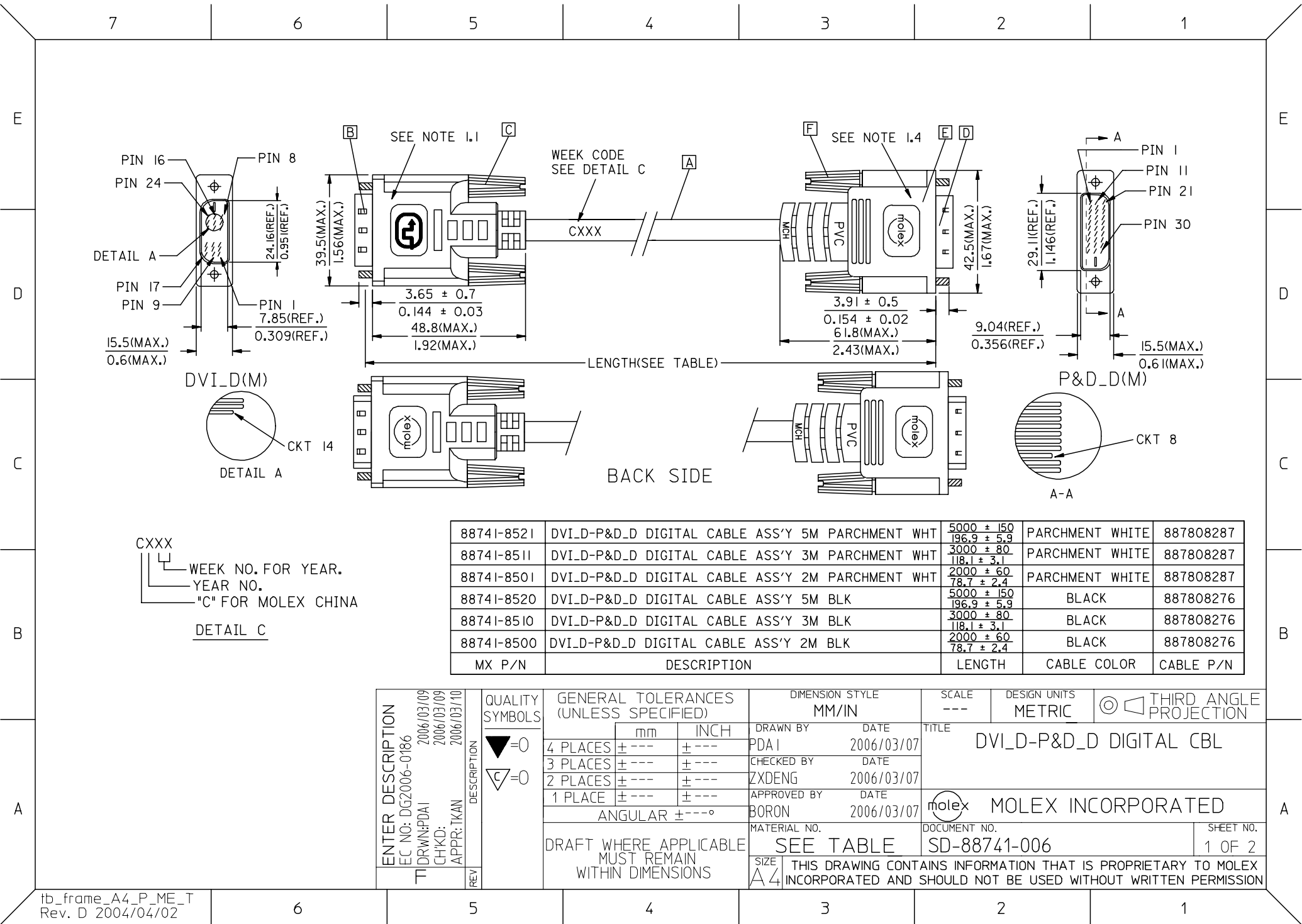
Search Parts in this Series

88744Series

Mates With

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



7

6

5

4

3

2

1

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 $\pm$ 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

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)
ITEM	DESCRIPTION

ENTER DESCRIPTION EC NO: DG2006-0186 TDRWN:PDAI CHKD: APPR:TKAN		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	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_D-P&D_D DIGITAL CBL					
				4 PLACES	±---	±---	CHECKED BY ZXDENG	DATE 2006/03/07	MOLEX INCORPORATED					
				3 PLACES	±---	±---	APPROVED BY BORON	DATE 2006/03/07						
				2 PLACES	±---	±---	MATERIAL NO. SEE TABLE						DOCUMENT NO. SD-88741-006	SHEET NO. 2 OF 2
				1 PLACE	±---	±---								
				ANGULAR ±---°										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
						SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

6

5

4

3

2

1