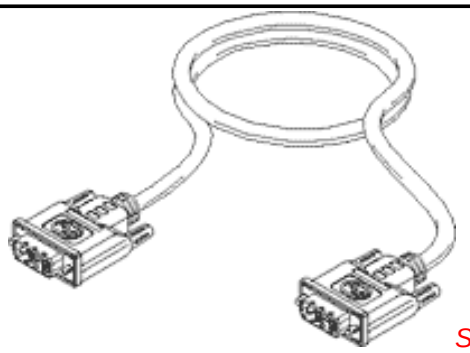
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0887418010
Status: Active
Overview: microcross_dvi
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Digital-to-DVI-Digital, Single Link TMDS, Black, 3.0m (9.84') Length



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Cable Assemblies
Series	88744
Comments	Single Link TMDS
Connector to Connector	DVI-Digital-to-DVI-Digital
Obsolete Date	2003/01/01
Overview	microcross_dvi
Product Name	MicroCross™DVI

Physical

Cable Length	3.0m (9.84')
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-88741-001

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

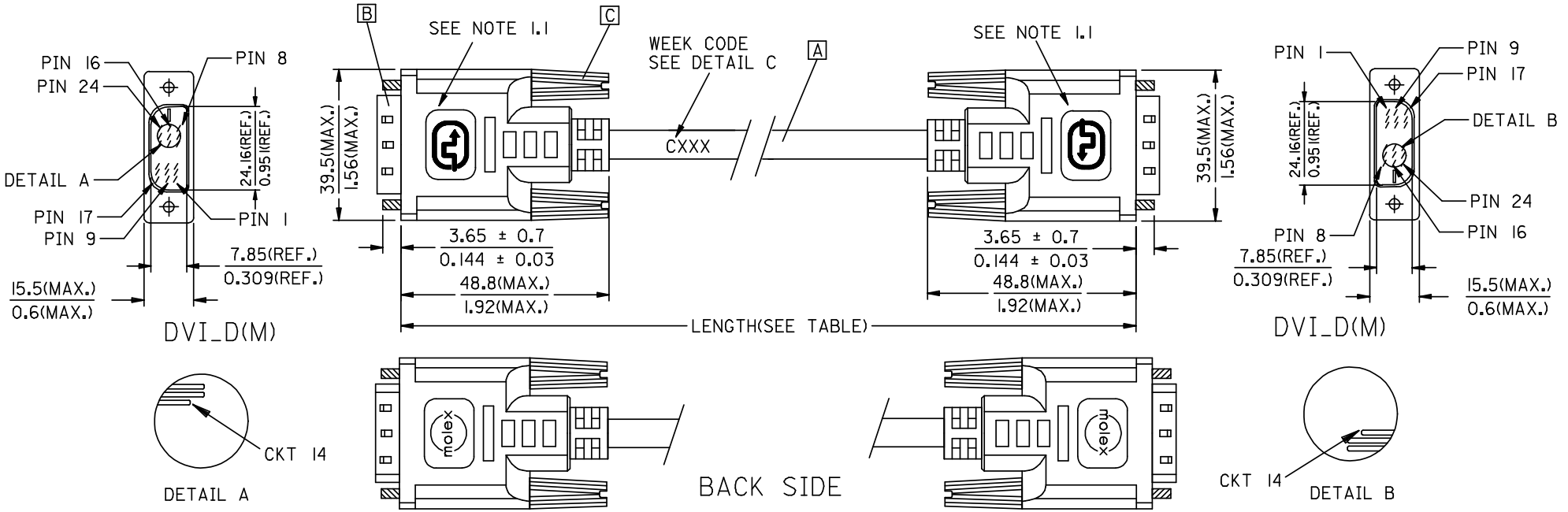
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
88744Series

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

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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N
88741-8021	DVI_D-DVI_D SINGLE LINK CABLE 5M PARCHMENT WHT	5000 ± 150 / 196.9 ± 5.9	PARCHMENT WHITE	887808287
88741-8011	DVI_D-DVI_D SINGLE LINK CABLE 3M PARCHMENT WHT	3000 ± 80 / 118.1 ± 3.1	PARCHMENT WHITE	887808287
88741-8001	DVI_D-DVI_D SINGLE LINK CABLE 2M PARCHMENT WHT	2000 ± 60 / 78.7 ± 2.4	PARCHMENT WHITE	887808287
88741-8020	DVI_D-DVI_D SINGLE LINK CABLE 5M BLK	5000 ± 150 / 196.9 ± 5.9	BLACK	887808276
88741-8010	DVI_D-DVI_D SINGLE LINK CABLE 3M BLK	3000 ± 80 / 118.1 ± 3.1	BLACK	887808276
88741-8000	DVI_D-DVI_D SINGLE LINK CABLE 2M BLK	2000 ± 60 / 78.7 ± 2.4	BLACK	887808276

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

DETAIL C

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
DRWN:PDAI 2006/03/09
CH'KD: 2006/03/10
APPR:TKAN
DESCRIPTION
1
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	PDAI	DATE 2006/03/07
CHECKED BY	ZXDENG	DATE 2006/03/07
APPROVED BY	BORON	DATE 2006/03/07

TITLE: DVI_D-DVI_D S.LINK CBL

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-88741-001
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

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 89-111N 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 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. SHORTCIRCUIT AMONG DRAIN WIRES IS ACCEPTABLE.

6. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7. CONNECTION DIAGRAM

SHIELD	SHIEDL	GROUND
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 Ø SHIELD
PIN 18	PIN 18	TMDS DATA Ø+
PIN 17	PIN 17	TMDS DATA Ø-
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 SHIELD
PIN 10	PIN 10	TMDS DATA 1+
PIN 9	PIN 9	TMDS DATA 1-
PIN 7	PIN 7	DDC DATA
PIN 6	PIN 6	DDC CLOCK
PIN 3	PIN 3	TMDS DATA 2 SHIELD
PIN 2	PIN 2	TMDS DATA 2+
PIN 1	PIN 1	TMDS DATA 2-
DVI_D	DVI_D	CABLE FUNCTION

8. MATERIAL LIST

ITEM	DESCRIPTION
C	DVI THUMB SCREW 887806077
B	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230101
A	DVI SINGLE LINK CABLE (SEE TABLE)

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
DRWN:PDAI 2006/03/09
CH'KD: 2006/03/10
APPR: TKAN
DESCRIPTION
1
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: PDAI DATE: 2006/03/07
CHECKED BY: TEDDY DATE: 2006/03/07
APPROVED BY: BORON DATE: 2006/03/07
MATERIAL NO.: SEE TABLE

TITLE: DVI_D-DVI_D S.LINK CBL

MOLEX INCORPORATED

DOCUMENT NO.: SD-88741-001
SHEET NO.: 2 OF 2

SIZE: A4

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