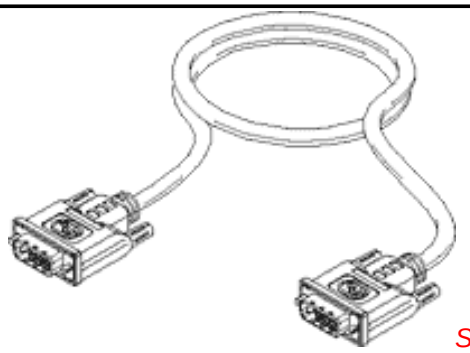
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0887418120
Status: Active
Overview: microcross_dvi
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Digital-to-DVI-Digital, Dual Link TMDS, Black, 5.0m (16.40') Length



Series image - Reference only

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

General

Product Family	Cable Assemblies
Series	88744
Comments	Dual Link TMDS
Connector to Connector	DVI-Digital-to-DVI-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-88741-002

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

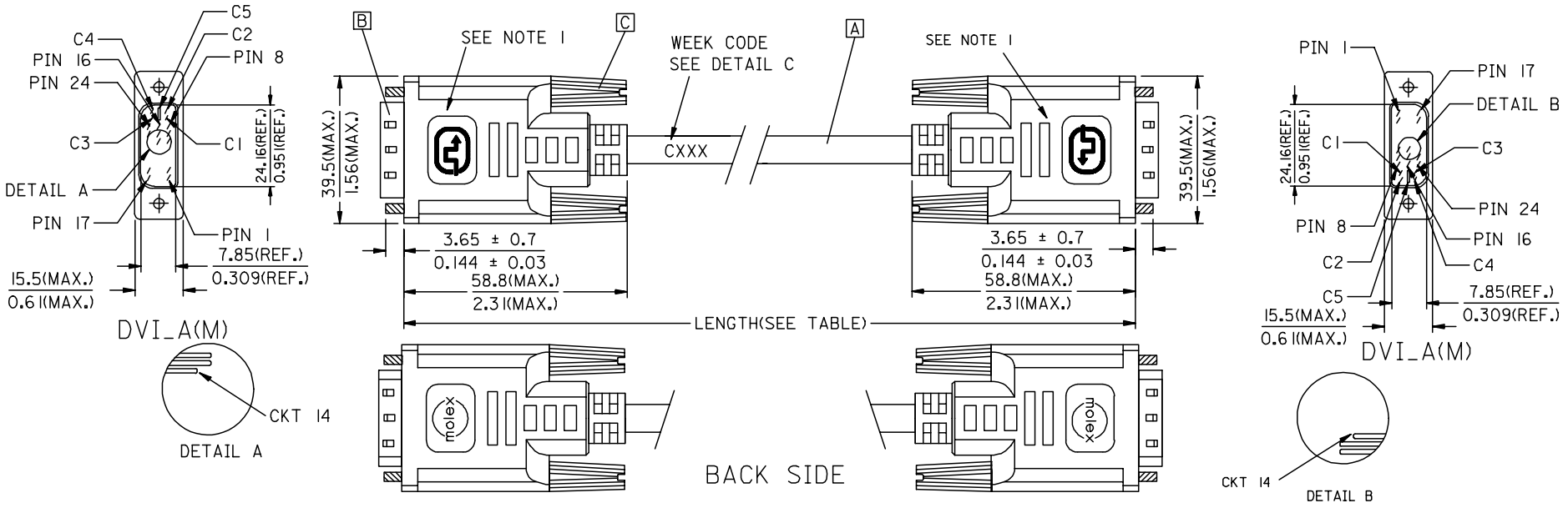
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
88744Series

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

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

DETAIL C

MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N
88741-8221	DVI_A-DVI_A ANALOG CABLE ASS'Y 5M PARCHMENT WHT	5000 ± 150 / 196.9 ± 5.9	PARCHMENT WHITE	887808286
88741-8211	DVI_A-DVI_A ANALOG CABLE ASS'Y 3M PARCHMENT WHT	3000 ± 80 / 118.1 ± 3.1	PARCHMENT WHITE	887808286
88741-8201	DVI_A-DVI_A ANALOG CABLE ASS'Y 2M PARCHMENT WHT	2000 ± 60 / 78.7 ± 2.4	PARCHMENT WHITE	887808286
88741-8220	DVI_A-DVI_A ANALOG CABLE ASS'Y 5M BLK	5000 ± 150 / 196.9 ± 5.9	BLACK	887808277
88741-8210	DVI_A-DVI_A ANALOG CABLE ASS'Y 3M BLK	3000 ± 80 / 118.1 ± 3.1	BLACK	887808277
88741-8200	DVI_A-DVI_A ANALOG CABLE ASS'Y 2M BLK	2000 ± 60 / 78.7 ± 2.4	BLACK	887808277

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
DRWN: PDAI 2006/03/09
CH'KD:
APPR: TKAN 2006/03/10
DESCRIPTION
G
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
MATERIAL NO.: SEE TABLE

TITLE: DVI_A ANALOG CABLE

MOLEX INCORPORATED

DOCUMENT NO.: SD-88741-003
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 SONW 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 SIGNAL LINE INSULATION RESISTANCE: 20 MEGA Ohms

3.3 COAXIAL LINES CHARACTERISTIC IMPEDANCE: 75±7.5 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.

7. MATERIAL LIST

ITEM	DESCRIPTION
C	DVI THUMB SCREW 887806005
B	DVI_A G/F CONNECTOR 74323001I
A	DVI ANALOG CABLE(SEE TABLE)

6. CONNECTION DIAGRAM

DVI_A	DVI_A	CABLE FUNCTION
PIN 6	PIN 6	DDC CLOCK
PIN 7	PIN 7	DDC DATA
PIN 8	PIN 8	VERTICAL SYNC
PIN 14	PIN 14	POWER +5V
PIN 15	PIN 15	GROUND(+5V & HV SYNC)
PIN 16	PIN 16	HOT PLUG DETECT
C 1	C 1	ANLOG
C 2	C 2	ANLOG
C 3	C 3	ANLOG
C 4	C 4	HORIZONTAL SYNC
C 5	C 5	ANLOG GROUND
SHIELD	SHIEDL	GROUND

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
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ANGULAR ±---°		

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THIRD ANGLE PROJECTION

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CHECKED BY: ZXDENG DATE: 2006/03/07
APPROVED BY: BORON DATE: 2006/03/07

TITLE: DVI_A ANALOG CABLE

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-88741-003
SHEET NO.: 2 OF 2

SIZE: A4

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