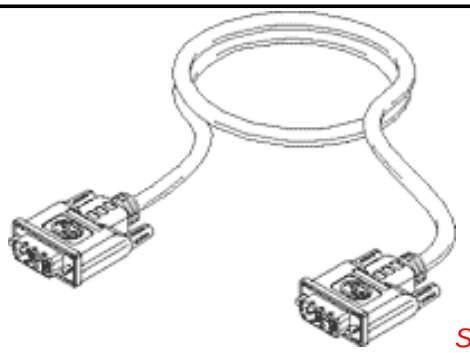
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0887418020
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, 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	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	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-88741-001

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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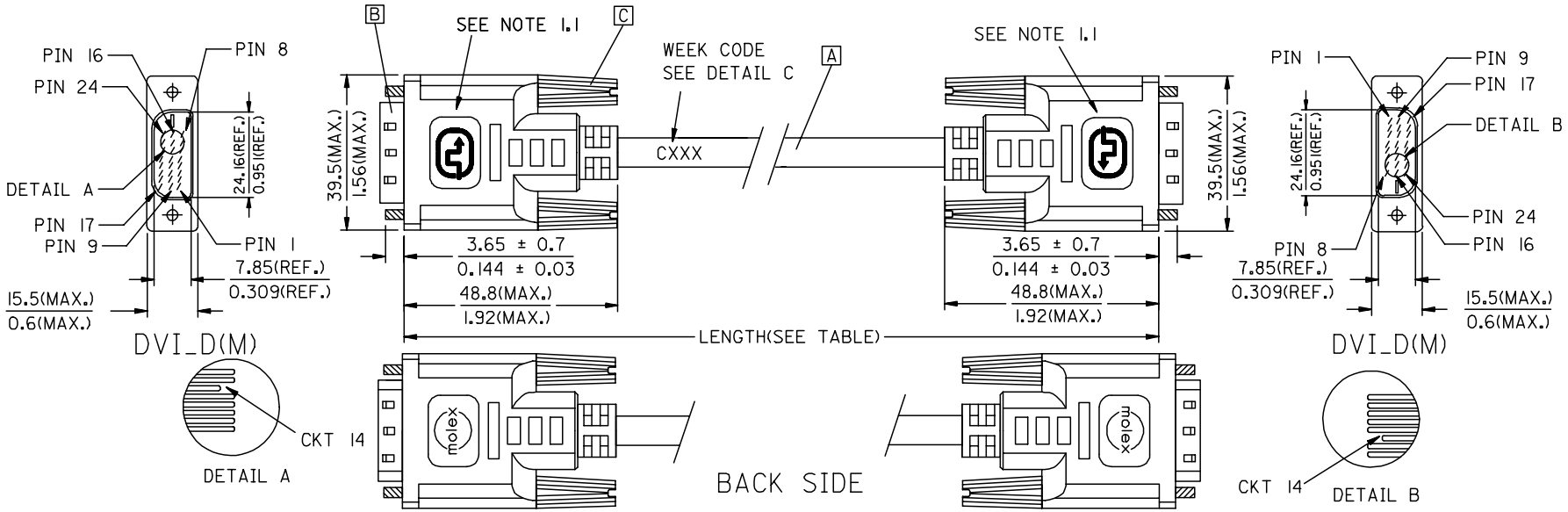

CXXX
- WEEK NO. FOR YEAR.
- YEAR NO.
- "C" FOR MOLEX CHINA

DETAIL C

MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N
88741-8121	DVI_D-DVI_D DUAL LINK CABLE 5M PARCHMENT WHT	5000 ± 150 / 196.9 ± 5.9	PARCHMENT WHITE	887808369
88741-8111	DVI_D-DVI_D DUAL LINK CABLE 3M PARCHMENT WHT	3000 ± 80 / 118.1 ± 3.1	PARCHMENT WHITE	887808369
88741-8101	DVI_D-DVI_D DUAL LINK CABLE 2M PARCHMENT WHT	2000 ± 60 / 78.7 ± 2.4	PARCHMENT WHITE	887808369
88741-8120	DVI_D-DVI_D DUAL LINK CABLE 5M BLK	5000 ± 150 / 196.9 ± 5.9	BLACK	887808368
88741-8110	DVI_D-DVI_D DUAL LINK CABLE 3M BLK	3000 ± 80 / 118.1 ± 3.1	BLACK	887808368
88741-8100	DVI_D-DVI_D DUAL LINK CABLE 2M BLK	2000 ± 60 / 78.7 ± 2.4	BLACK	887808368

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
DRWN: PDAI 2006/03/09
CH'KD:
APPR: TKAN 2006/03/10
DESCRIPTION
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_D DUAL LINK CABLE

MOLEX INCORPORATED

DOCUMENT NO.: SD-88741-002
SHEET NO.: 1 OF 2

SIZE A4

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 SINGNAL GROUND IS ACCEPTABLE IN DVI CABLE.
6. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

8. 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 21	PIN 21	TMDS DATA 5+
PIN 20	PIN 20	TMDS DATA 5-
PIN 19	PIN 19	TMDS DATA 0/5 SHIELD
PIN 18	PIN 18	TMDS DATA 0+
PIN 17	PIN 17	TMDS DATA 0-
PIN 16	PIN 16	HOT PLUG DETECT
PIN 15	PIN 15	GROUND(+5V)
PIN 14	PIN 14	POWER +5V
PIN 13	PIN 13	TMDS DATA 3+
PIN 12	PIN 12	TMDS DATA 3-
PIN 11	PIN 11	TMDS DATA 1/3 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 5	PIN 5	TMDS DATA 4+
PIN 4	PIN 4	TMDS DATA 4-
PIN 3	PIN 3	TMDS DATA 2 /4 SHIELD
PIN 2	PIN 2	TMDS DATA 2+
PIN 1	PIN 1	TMDS DATA 2-
DVI_D	DVI_D	CABLE FUNCTION

7. MATERIAL LIST

ITEM	DESCRIPTION
C	DVI THUMB SCREW 887806077
B	DVI_D DUAL CHANNEL G/F CONNECTOR 743230003
A	DVI DULA 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
REV

QUALITY SYMBOLS
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ANGULAR ±---°		

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DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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CHECKED BY: ZXDENG DATE: 2006/01/11
APPROVED BY: BORON DATE: 2006/03/07
MATERIAL NO.: SEE TABLE

TITLE: DVI_D DUAL LINK CABLE

MOLEX INCORPORATED

DOCUMENT NO.: SD-88741-002
SHEET NO.: 2 OF 2

SIZE A4