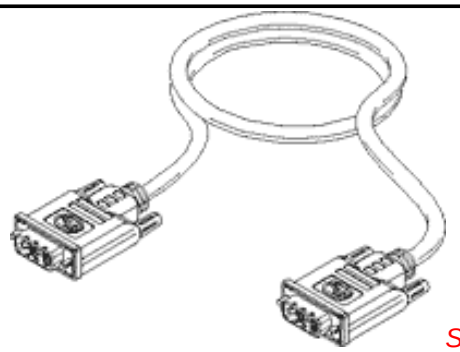
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0887419000
Status: Active
Overview: microcross_dvi
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Digital/Analog-to-DVI-Digital/Analog, Single Link TMDS, Black, 2.0m (6.56') 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/Analog-to-DVI-Digi
Overview	microcross_dvi
Product Name	MicroCross™DVI

Physical

Cable Length	2.0m (6.56')
Circuits (Loaded)	29
Color - Resin	Black
Gender	Plug/Plug
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Packaging Type	Bag
Pitch - Mating Interface (in)	0.075 In, 0.100 In
Pitch - Mating Interface (mm)	1.90 mm, 2.54 mm
Plating min: Mating (µin)	10, 2
Plating min: Mating (µm)	0.05, 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

Product Specification	RPS-74320-005
Sales Drawing	SD-88741-011

EU RoHS
ELV and RoHS Compliant
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

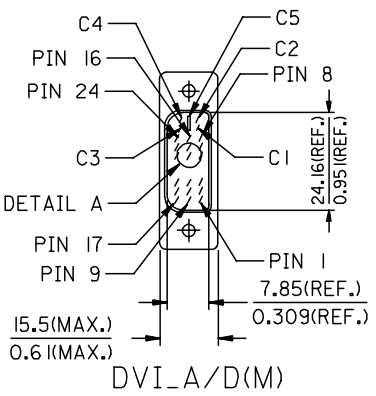
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
88744Series

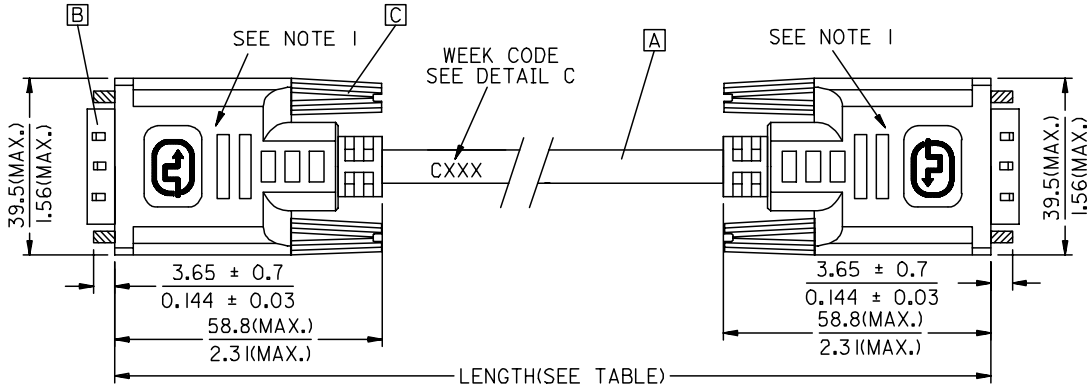
Mates With
74320 MicroCross™ DVI-I Digital/Analog Visual Interface, PCB Receptacle

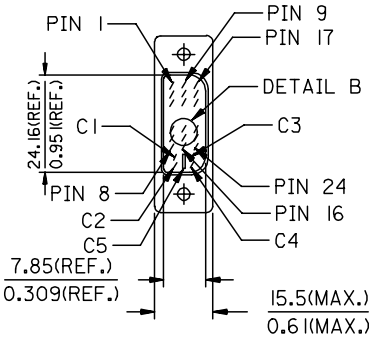
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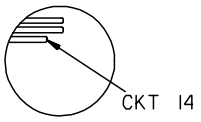


DVI_A/D(M)





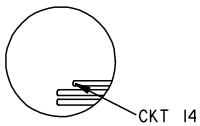
DVI_A/D(M)



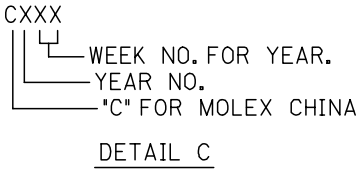
DETAIL A



BACK SIDE



DETAIL B



DETAIL C

MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N
88741-9021	DVI_I-DVI_I A/D CABLE 5M IVORY	5000 ± 150 / 196.9 ± 5.9	IVORY	887808325
88741-9011	DVI_I-DVI_I A/D CABLE 3M IVORY	3000 ± 80 / 118.1 ± 3.1	IVORY	887808325
88741-9001	DVI_I-DVI_I A/D CABLE 2M IVORY	2000 ± 60 / 78.7 ± 2.4	IVORY	887808325
88741-9020	DVI_I-DVI_I A/D CABLE 5M BLK	5000 ± 150 / 196.9 ± 5.9	BLACK	887808326
88741-9010	DVI_I-DVI_I A/D CABLE 3M BLK	3000 ± 80 / 118.1 ± 3.1	BLACK	887808326
88741-9000	DVI_I-DVI_I A/D CABLE 2M BLK	2000 ± 60 / 78.7 ± 2.4	BLACK	887808326

ENTER DESCRIPTION
EC NO: DG2006-0186 2006/03/09
DRWN:PDAI 2006/03/09
CH'KD: 2006/03/10
APPR: TKAN
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-I - DVI-I A/D CABLE

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-88741-011
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 SIGNAL LINE INSULATION RESISTANCE: 20 MEGA Ohms

3.3 COAXIAL LINES CHARACTERISTIC IMPEDANCE: 75±7.5 Ohms @TDR.

3.4 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. SHORTCIRCUIT AMONG DRAIN WIRES SIGNAL GROUND IS ACCEPTABLE.

6. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7. CONNECTION DIAGRAM

SHIELD	SHIEDL	OUTER SHIELD
C5	C5	ANALOG GROUND
C4	C4	HORIZONTAL SYNC.
C3	C3	ANALOG BLUE
C2	C2	ANALOG GREEN
C1	C1	ANALOG RED
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 0
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 & HV SYNC.)
PIN 14	PIN 14	POWER +5V
PIN 11	PIN 11	TMDS DATA 1
PIN 10	PIN 10	TMDS DATA 1+
PIN 9	PIN 9	TMDS DATA 1-
PIN 8	PIN 8	VERTICAL SYNC.
PIN 7	PIN 7	DDC DATA
PIN 6	PIN 6	DDC CLOCK
PIN 3	PIN 3	TMDS DATA 2
PIN 2	PIN 2	TMDS DATA 2+
PIN 1	PIN 1	TMDS DATA 2-
DVI_A/D	DVI_A/D	CABLE FUNCTION

8. MATERIAL LIST

C	DVI THUMB SCREW 887806129
B	DVI_I G/F CONNECTOR 743230031
A	DVI ANALOG DIGITAL CABLE (SEE TABLE)
ITEM	DESCRIPTION

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

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

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MOLEX INCORPORATED

DOCUMENT NO.: SD-88741-011
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SIZE: A4

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