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Part Number: [0887418110](#)
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, 3.0m (9.84') Length

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	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

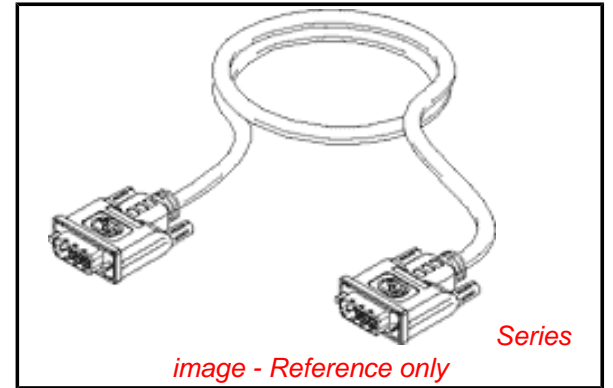
Electrical

Current - Maximum per Contact	3A
Shielded	Yes

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88741-002
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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](#)

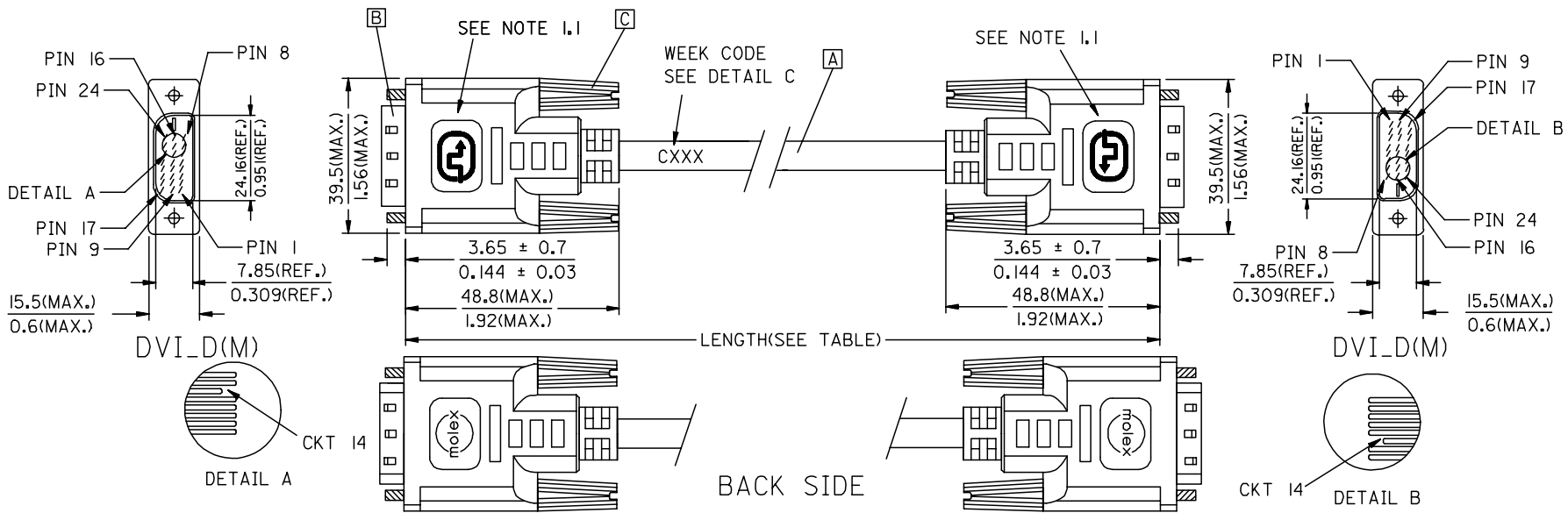
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[88744Series](#)

Mates With

[74320](#) MicroCross™ DVI-I Digital/Analog Visual Interface, PCB Receptacle



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

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
MX P/N	DESCRIPTION	LENGTH	CABLE COLOR	CABLE P/N

ENTER DESCRIPTION EC NO: DG2006-0186 T/DRWN:PDAI 2006/03/09 CHKD: 2006/03/09 APPR:TKAN 2006/03/10	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM/IN	---	METRIC		
				DRAWN BY	DATE	TITLE		
				PDAI	2006/03/07	DVI_D DUAL LINK CABLE		
				CHECKED BY	DATE			
				ZXDENG	2006/03/07			
				APPROVED BY	DATE			
				BORON	2006/03/07			
				MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
				SEE TABLE	SD-88741-002	1 OF 2		
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
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8. CONNECTION DIAGRAM

SHIELD	SHIELD	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

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

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7. MATERIAL LIST

C	DVI THUMB SCREW 887806077
B	DVI_D DUAL CHANNEL G/F CONNECTOR 743230003
A	DVI DULA LINK CABLE (SEE TABLE)
ITEM	DESCRIPTION

B

B

A

A

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