

Series image - Reference only

EU RoHS

ELV and RoHS Compliant

China RoHS



Search Parts in this Series

88744 Series

Mates With

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

Part Number: **0887418300**

Status: **Active** **Overview:** MicroCross™ DVI

Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Analog to VGA, Black, 2.0m (6.56') Length

General

Product Family	Cable Assemblies
Series	<u>88744</u>
Connector to Connector	DVI-Analog to VGA
Overview	<u>MicroCross™ DVI</u>
Product Name	MicroCross™DVI

Physical

Cable Length	2.0m (6.56')
Circuits (Loaded)	29
Color - Resin	Black
Color - Resin	Natural
Gender	Plug/Plug
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Low Density Polyethylene
Material - Resin	Polyester
Packaging Type	Bag
Pitch - Mating Interface (in)	0.075 In
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	1.90 mm
Pitch - Mating Interface (mm)	2.54 mm

Plating min: Mating (uin)	10
Plating min: Mating (uin)	2
Plating min: Mating (um)	0.05
Plating min: Mating (um)	0.25
Plating min: Termination (uin)	150
Plating min: Termination (um)	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

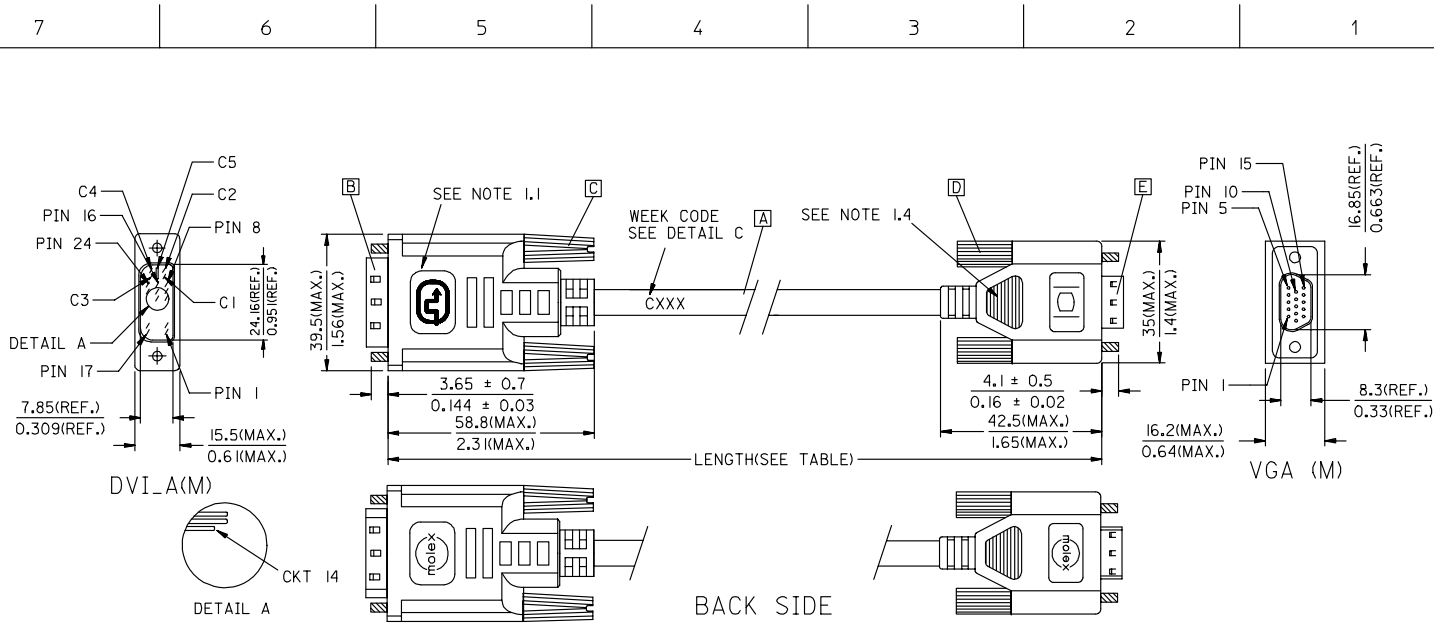
Electrical

Current - Maximum	3.000 Amp
Shielded	Yes

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88741-004
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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
88741-8321	DVI_A-VGA CABLE ASS'Y 5M PARCHMENT WHT	5000 ± 150 196.9 ± 5.9	PARCHMENT WHITE	887808286
88741-8311	DVI_A-VGA CABLE ASS'Y 3M PARCHMENT WHT	3000 ± 80 118.1 ± 3.1	PARCHMENT WHITE	887808286
88741-8301	DVI_A-VGA CABLE ASS'Y 2M PARCHMENT WHT	2000 ± 60 78.7 ± 2.4	PARCHMENT WHITE	887808286
88741-8320	DVI_A-VGA CABLE ASS'Y 5M BLK	5000 ± 150 196.9 ± 5.9	BLACK	887808277
88741-8310	DVI_A-VGA CABLE ASS'Y 3M BLK	3000 ± 80 118.1 ± 3.1	BLACK	887808277
88741-8300	DVI_A-VGA CABLE ASS'Y 2M BLK	2000 ± 60 78.7 ± 2.4	BLACK	887808277

ENTER DESCRIPTION EC NO: DG2006-0186 DRW: PDAI CHKD: CHYKD APPR: KAN 2006/03/09 2006/03/09 2006/03/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	DRAWN BY PDAI DATE 2006/03/07	TITLE DVI_A-VGA CABLE				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY ZXDENG DATE 2006/03/07	MOLEX INCORPORATED				
		APPROVED BY BORON DATE 2006/03/07	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-88741-004	SHEET NO. 1 OF 2			

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NOTE: I. OVERMOLD SPECIFICATION

FOR DVI

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
FOR VGA

1.4 VGA MOLDED WITH PVC BLUE RESIN 887800145.

1.4.1 UL94V-0, COLOR: PANTUNE 661C

2. MECHANICAL SPECIFICATION

2.1 CABLE SHOULD STAND THE PULL FORCE 89-11IN 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.

6. CONNECTION DIAGRAM

SHIELD	SHIELD	GROUND
C 5	PIN R6,G7,B8	ANLOG GROUND
C 4	PIN 13	HORIZONTAL SYNC
C 3	PIN 3	ANLOG
C 2	PIN 2	ANLOG
C 1	PIN 1	ANLOG
PIN 15	PIN 5,10	GROUND(+5V & HV SYNC)
PIN 14,16	PIN 9	POWER +5V/HOT PLUG DETECT
PIN 8	PIN 14	VERTICAL SYNC
PIN 7	PIN 12	DDC DATA
PIN 6	PIN 15	DDC CLOCK
DVI-A	VGA	CABLE FUNCTION

7. MATERIAL LIST

ITEM	DESCRIPTION
E	VGA D-SUB CONNECTOR 887899320
D	VGA D-SUB THUMBSCREW 887806026
C	DVI THUMB SCREW 887806005
B	DVI_A G/F CONNECTOR 743230011
A	DVI ANALOG CABLE(SEE TABLE)

ENTER DESCRIPTION EC NO: DG2006-0186 DRWNPDAI CHYKD: APPR: KAN 2006/03/09 2006/03/09 2006/03/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM/IN	---	METRIC		
		4 PLACES	±---	±---	DRAWN BY	DATE	TITLE	
		3 PLACES	±---	±---	PDAI	2006/03/07	DVI_A-VGA CABLE	
		2 PLACES	±---	±---	CHECKED BY	DATE		
1 PLACE	±---	±---	ZXDENG	2006/03/07				
		ANGULAR ±---°	APPROVED BY	DATE	MOLEX INCORPORATED			
			BORON	2006/03/07				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
			SEE TABLE	SD-88741-004	2 OF 2			
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			A4					

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