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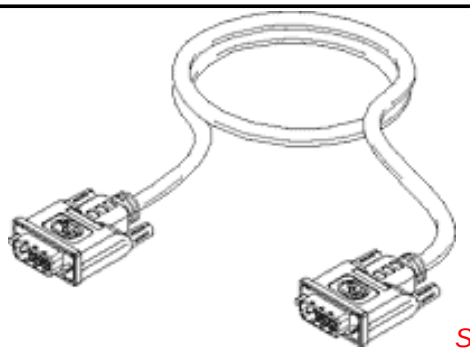
**Part Number:** 0887418100
**Status:** Active
**Overview:** microcross_dvi
**Description:** MicroCross™ DVI Digital Visual Interface, Shielded I/O Cable Assembly: DVI-Digital-to-DVI-Digital, Dual Link TMDS, Black, 2.0m (6.56' ) Length



*Series image - Reference only*

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

## General

| | |
|---|---|
| Product Family | Cable Assemblies |
| Series | 88744 |
| Comments | Dual Link TMDS |
| Connector to Connector | DVI-Digital-to-DVI-Digital |
| Overview | microcross_dvi |
| Product Name | MicroCross™DVI |

## Physical

| | |
|---|---|
| Cable Length | 2.0m (6.56' ) |
| 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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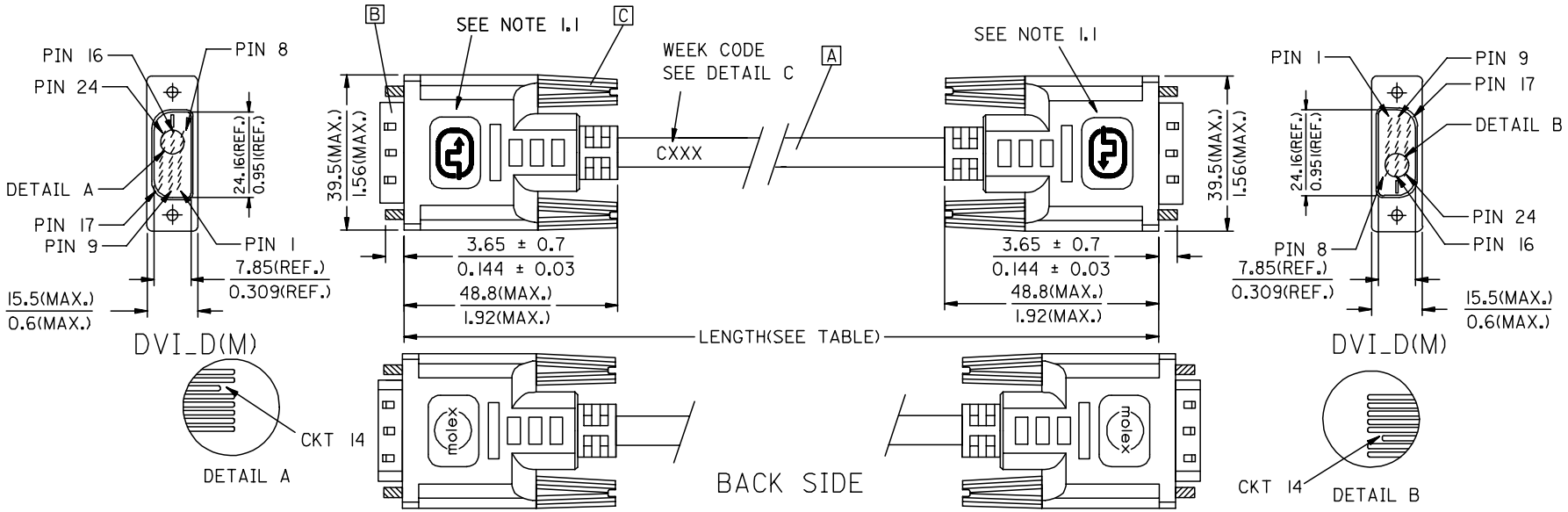


CXXX
- WEEK NO. FOR YEAR.
- YEAR NO.
- "C" FOR MOLEX CHINA

DETAIL C

| MX P/N | DESCRIPTION | LENGTH | CABLE COLOR | CABLE P/N |
|---|---|---|---|---|
| 88741-8121 | 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

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 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
▼=0
Ⓒ=0

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| 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: 2006/01/11
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

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