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Part Number: [0887388400](#)
Status: **Active**
Overview: [usb](#)
Description: Universal Serial Bus (USB) Shielded I/O Cable Assembly: A-to-Pigtail Sub-Channel, 5.0m (16.40') Length

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

| | |
|------------------------|-----------------------|
| Product Family | Cable Assemblies |
| Series | 88740 |
| Comments | Sub-Channel |
| Connector to Connector | USB Type A-to-Pigtail |
| Overview | usb |
| Product Name | USB |

Physical

| | |
|-------------------------------|--------------------|
| Cable Length | 5.0m (16.40') |
| Circuits (Loaded) | 4 |
| Gender | Male |
| Lock to Mating Part | Yes |
| Packaging Type | Bag |
| Pitch - Mating Interface (in) | 0.079 In, 0.098 In |
| Pitch - Mating Interface (mm) | 2.00 mm, 2.50 mm |
| Single Ended | Yes |
| Wire Insulation Diameter | N/A |
| Wire Size AWG | N/A |
| Wire/Cable Type | N/A |

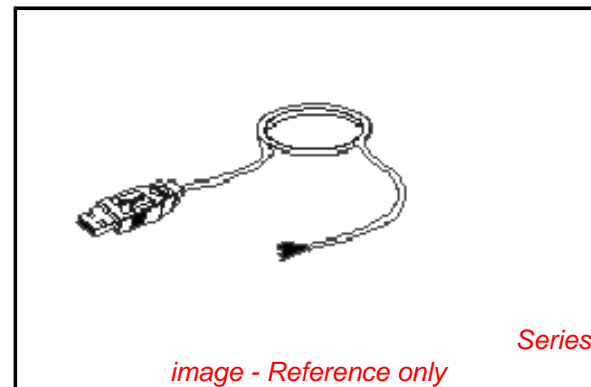
Electrical

| | |
|-------------------------------|-----|
| Current - Maximum per Contact | 1A |
| Shielded | Yes |

Material Info

Reference - Drawing Numbers

| | |
|---------------|--------------|
| Sales Drawing | SD-88738-001 |
|---------------|--------------|



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

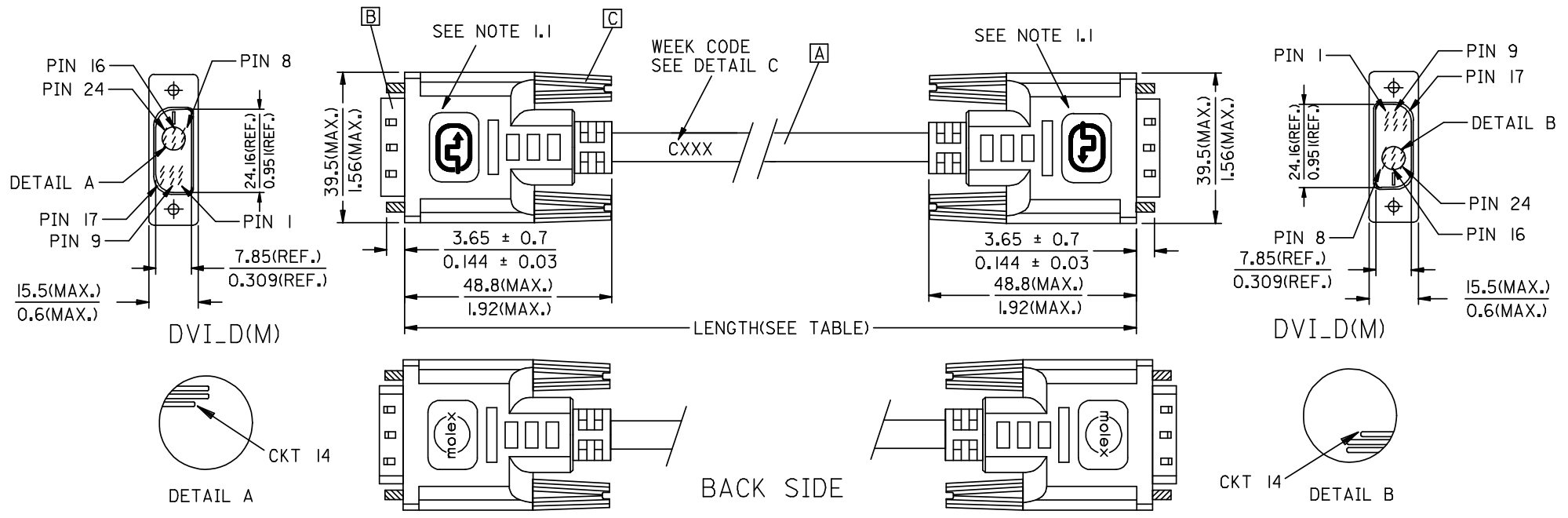
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[88740Series](#)

Mates With

Universal Serial Bus (USB) Type A Receptacle [67329](#) , [67230](#) , [89485](#)



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

| | | | | |
|------------|--|---------------------------|-----------------|-----------|
| 88741-8021 | DVI_D-DVI_D SINGLE LINK CABLE 5M PARCHMENT WHT | 5000 ± 150 196.9 ± 5.9 | PARCHMENT WHITE | 887808287 |
| 88741-8011 | DVI_D-DVI_D SINGLE LINK CABLE 3M PARCHMENT WHT | 3000 ± 80 118.1 ± 3.1 | PARCHMENT WHITE | 887808287 |
| 88741-8001 | DVI_D-DVI_D SINGLE LINK CABLE 2M PARCHMENT WHT | 2000 ± 60 78.7 ± 2.4 | PARCHMENT WHITE | 887808287 |
| 88741-8020 | DVI_D-DVI_D SINGLE LINK CABLE 5M BLK | 5000 ± 150 196.9 ± 5.9 | BLACK | 887808276 |
| 88741-8010 | DVI_D-DVI_D SINGLE LINK CABLE 3M BLK | 3000 ± 80 118.1 ± 3.1 | BLACK | 887808276 |
| 88741-8000 | DVI_D-DVI_D SINGLE LINK CABLE 2M BLK | 2000 ± 60 78.7 ± 2.4 | BLACK | 887808276 |
| MX P/N | DESCRIPTION | LENGTH | CABLE COLOR | CABLE P/N |

| | | | | | | | | | | | | |
|--|--|-------------------------------|--|-------|--------------------------|----------------------|---|---|------------------------|--|--|--|
| ENTER DESCRIPTION EC NO: DG2006-0186 DRWN: PDAI CHKD: APPR: TKAN | 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 | | | |
| | | | | mm | INCH | DRAWN BY PDAI | DATE 2006/03/07 | TITLE DVI_D-DVI_D S.LINK CBL | | | | |
| | | | 4 PLACES | ± --- | ± --- | CHECKED BY ZXDENG | DATE 2006/03/07 | | | | | |
| | | | 3 PLACES | ± --- | ± --- | APPROVED BY BORON | DATE 2006/03/07 | MOLEX INCORPORATED MATERIAL NO. SEE TABLE DOCUMENT NO. SD-88741-001 SHEET NO. 1 OF 2 | | | | |
| 2 PLACES | ± --- | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | | | | |
| 1 PLACE | ± --- | ± --- | | | SIZE A4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |

OTE: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 1.

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 IS ACCEPTABLE.

6. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7. 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 19 | PIN 19 | TMDS DATA 0 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 & HV SYNC.) |
| PIN 14 | PIN 14 | POWER +5V |
| PIN 11 | PIN 11 | TMDS DATA 1 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 3 | PIN 3 | TMDS DATA 2 SHIELD |
| PIN 2 | PIN 2 | TMDS DATA 2+ |
| PIN 1 | PIN 1 | TMDS DATA 2- |
| DVI_D | DVI_D | CABLE FUNCTION |

8. MATERIAL LIST

| ITEM | DESCRIPTION |
|------|--|
| C | DVI THUMB SCREW 887806077 |
| B | DVI_D SINGLE CHANNEL G/F CONNECTOR 743230101 |
| A | DVI SINGLE LINK CABLE (SEE TABLE) |

| | | | | | | | | | | |
|--|--|---|---|---------------------------------------|------------|------------------------|-----|--------|--------------|------------------------|
| ENTER DESCRIPTION EC NO: DG2006-0186 DRWN: PDAI CHKD: APPR: TKAN | 2006/03/09 2006/03/09 2006/03/10 | DESCRIPTION REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | | | = 0 = 0 | mm | INCH | MM/IN | --- | METRIC | | |
| | | | 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- | DRAWN BY | DATE | TITLE | | | | |
| | | | ANGULAR ± ---° | PDAI | 2006/03/07 | DVI_D-DVI_D S.LINK CBL | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | SEE TABLE | | APPROVED BY | | DATE | | MOLEX INCORPORATED |
| MATERIAL NO. | | DOCUMENT NO. | | SHEET NO. | | | | | | |
| A 4 | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | SD-88741-001 | | 2 OF 2 | | | | |