

6

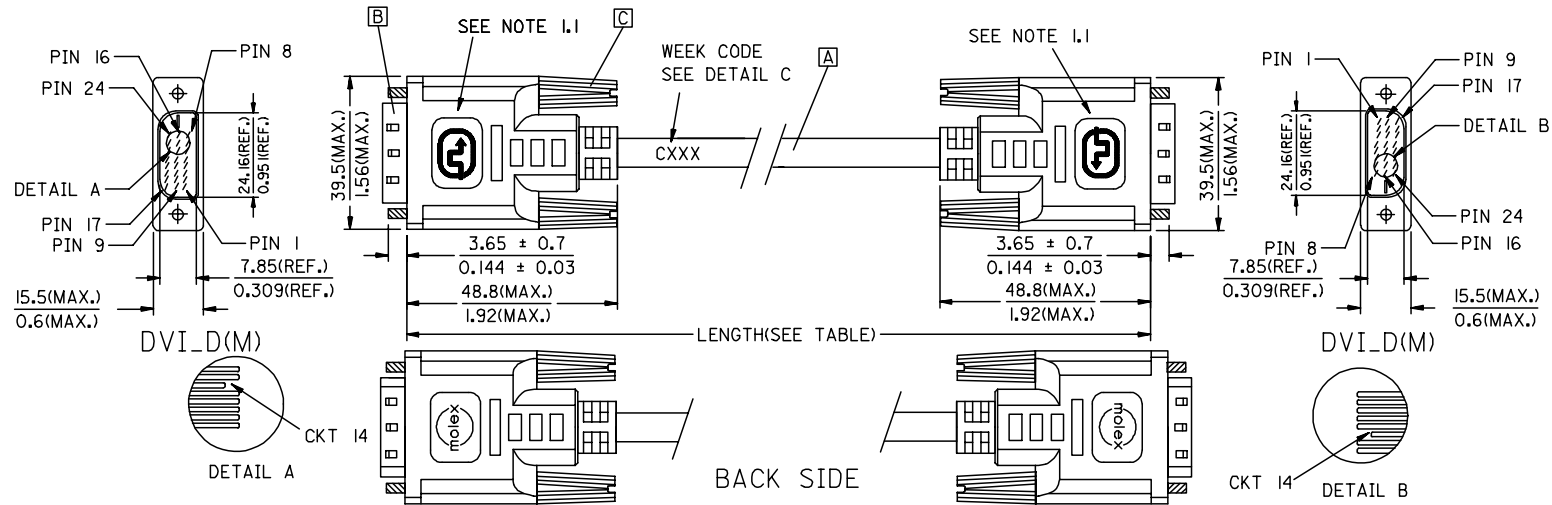
5

4

3

2

1



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<br>196.9 ± 5.9 | PARCHMENT WHITE | 887808039 |
| 88741-8111 | DVI_D-DVI_D DUAL LINK CABLE 3M PARCHMENT WHT | 3000 ± 80<br>118.1 ± 3.1  | PARCHMENT WHITE | 887808039 |
| 88741-8101 | DVI_D-DVI_D DUAL LINK CABLE 2M PARCHMENT WHT | 2000 ± 60<br>78.7 ± 2.4   | PARCHMENT WHITE | 887808039 |
| 88741-8120 | DVI_D-DVI_D DUAL LINK CABLE 5M BLK           | 5000 ± 150<br>196.9 ± 5.9 | BLACK           | 887808254 |
| 88741-8110 | DVI_D-DVI_D DUAL LINK CABLE 3M BLK           | 3000 ± 80<br>118.1 ± 3.1  | BLACK           | 887808254 |
| 88741-8100 | DVI_D-DVI_D DUAL LINK CABLE 2M BLK           | 2000 ± 60<br>78.7 ± 2.4   | BLACK           | 887808254 |
| MX P/N     | DESCRIPTION                                  | LENGTH                    | CABLE COLOR     | CABLE P/N |

| EC NO. | DRWN: PDAI 04/04/27 | CHK: TEDDY 04/04/27 | APPR: BORON 04/04/27 | DESCRIPTION | QUALITY SYMBOLS                     | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |      | SCALE<br>N.S.T   | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE<br>PROJECTION | DIMENSIONS:  |                                  |                       | SHT        | REV |
|--------|---------------------|---------------------|----------------------|-------------|-------------------------------------|---|------|--|--|---------------------------|--|----------------------------------|-----------------------|------------|-----|
|        |                     |                     |                      |             |                                     | mm  | INCH |  |  |                           | <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | <input type="checkbox"/> mm ONLY | REVISE ON<br>CAD ONLY |            |     |
| D      |                     |                     |                      |             | MAJOR<br>▼ = 0<br>CRITICAL<br>▽ = 0 | 4 PLACES ±0.                              | ±.   |  |  |                           | SEE TABLE  |                                  |                       |            |     |
|        |                     |                     |                      |             |                                     | 3 PLACES ±0.                              | ±.   |  |  |                           | SEE TABLE  |                                  |                       |            |     |
|        |                     |                     |                      |             |                                     | 2 PLACES ±0.                              | ±.   |  |  |                           | SEE TABLE  |                                  |                       |            |     |
|        |                     |                     |                      |             |                                     | 1 PLACE ±0.                               | ±.   |  |  |                           | SEE TABLE  |                                  |                       |            |     |
|        |                     |                     |                      |             |                                     | ANGULAR: ± °                              |      |  |  |                           | SEE TABLE  |                                  |                       |            |     |
|        |                     |                     |                      |             |                                     |   |      | CAD FILENAME<br>S88741AB.S01   |  | MATERIAL NO.<br>SEE TABLE | DRAWING NO.<br>SD-88741-002  |                                  | SHEET NO.<br>1 OF 2   |            |     |
|        |                     |                     |                      |             |                                     |   |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |                           |  |                                  |                       | SIZE<br>A4 |     |

WBORD\_A.BOR REV A  
97/05/14 LEVEL 3

6

5

4

3

2

1

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 1.

3. CABLE ELECTRICAL SPECIFICATION

- 3.1 DIELECTRIC STRENGTH: 500VDC FOR 1 MINUTE.
- 3.2 INSULATION RESISTANCE: 50 MEGA Ohms-1 K $\Omega$ + MIN. AT 2°C.
- 3.3 DIFFERENTIAL LINES CHARACTERISTIC IMPEDANCE: 100  $\pm$  5 Ohms @TDR.
- 3.4 DIFFERENTIAL LINES MUTUAL CAPACITANCE: 14.0 PF/ $\Omega$ + NOMINAL.

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.

5. MATERIAL LIST

| C    | DVI THUMB SCREW 887806006                  |
|------|--|
| B    | DVI_D DUAL CHANNEL G/F CONNECTOR 743230003 |
| A    | DVI DULA LINK CABLE (SEE TABLE)            |
| ITEM | DESCRIPTION                                |

6. 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        |

|             |  |                    |  |   |         |  |  |                             |  |                       |  |            |     |
|-------------|--|--------------------|--|---|---------|--|--|-----------------------------|--|-----------------------|--|------------|-----|
| EC NO.<br>D | DRWN: PDAI 04/04/27<br>CHK: TEDDY 04/04/27<br>APPR: BORON 04/04/27 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>MAJOR $\blacktriangledown$ = 0<br>CRITICAL $\blacktriangledown$ = 0 | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |         | SCALE<br>N.S.T   | DESIGN UNITS<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH | THIRD ANGLE<br>PROJECTION   | DIMENSIONS:<br><input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY |                       |  | SHT        | REV |
|             |  |                    |  | 4 PLACES $\pm 0.$                         | $\pm .$ | DRAWN BY & DATE<br>BING 00/07/10   | TITLE:<br>SEE TABLE  |                             |  | REVISE ON<br>CAD ONLY |  |            |     |
|             |  |                    |  | 3 PLACES $\pm 0.$                         | $\pm .$ | CHECKED BY & DATE<br>KL WONG 00/07/10  |  | MOLEX INCORPORATED          |  |                       |  |            |     |
|             |  |                    |  | 2 PLACES $\pm 0.$                         | $\pm .$ | APPROVED BY & DATE<br>KLLI 00/07/10  |  |                             |  |                       |  |            |     |
|             |  |                    |  | 1 PLACE $\pm 0.$                          | $\pm .$ | CAD FILENAME<br>S8874IAB.S02   | MATERIAL NO.<br>SEE TABLE  | DRAWING NO.<br>SD-8874I-002 | SHEET NO.<br>2 OF 2  |                       |  |            |     |
|             |  |                    |  | ANGULAR: $\pm$ $^{\circ}$                 |         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |                             |  |                       |  | SIZE<br>A4 |     |