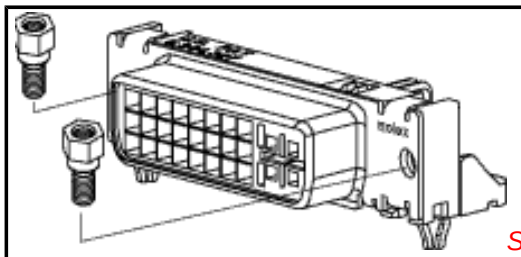
This document was generated on 06/07/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0743209010

**Status:** Active

**Description:** MicroCross™ DVI-I Digital/Analog Visual Interface, PCB Receptacle, Panel Mount, Through Hole, Right Angle, with Beveled Metal Pins, 0.76µm (30µ") Gold (Au), Lead Free, Screw Hole, 4-40 Thread, 29 Circuits



*Series image - Reference only*

**Documents:**

Drawing (PDF)
Test Summary (PDF)
Product Specification PS-74320-001 (PDF)
RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | I/O Connectors |
| Series | 74320 |
| Application | Wire-to-Board |
| Comments | DDWG (Digital Display Working Group) Standard |
| Component Type | Receptacle |
| MolexKits | Yes |
| Product Name | MicroCross™DVI |
| Type | N/A |

## Physical

| | |
|---|---|
| Boot Color | N/A |
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Number of Rows | 3 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.092 In |
| PC Tail Length (mm) | 2.34 mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Packaging Type | Tray |
| Panel Mount | Yes |
| Pitch - Mating Interface (in) | 0.075 In |
| Pitch - Mating Interface (mm) | 1.91 mm |
| Pitch - Term. Interface (in) | 0.075 In |
| Pitch - Term. Interface (mm) | 1.91 mm |
| Plating min: Mating (µin) | 30 |
| Plating min: Mating (µm) | 0.76 |
| Plating min: Termination (µin) | 100 |
| Plating min: Termination (µm) | 2.50 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Ports | 1 |
| Surface Mount Compatible (SMC) | No |

**EU RoHS**
**ELV and RoHS Compliant**
**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**
74320Series

**Mates With**
88744 , 74323

**Use With**
71781 Panel Mount Hex Screw Kit

| | |
|---|---|
| Temperature Range - Operating | -20°C to +85°C |
| Termination Interface: Style | Through Hole |
| Waterproof / Dustproof | No |
| Wire Size AWG | N/A |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3A |
| Grounding to Panel | Yes |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 40V AC (RMS) |

## Material Info

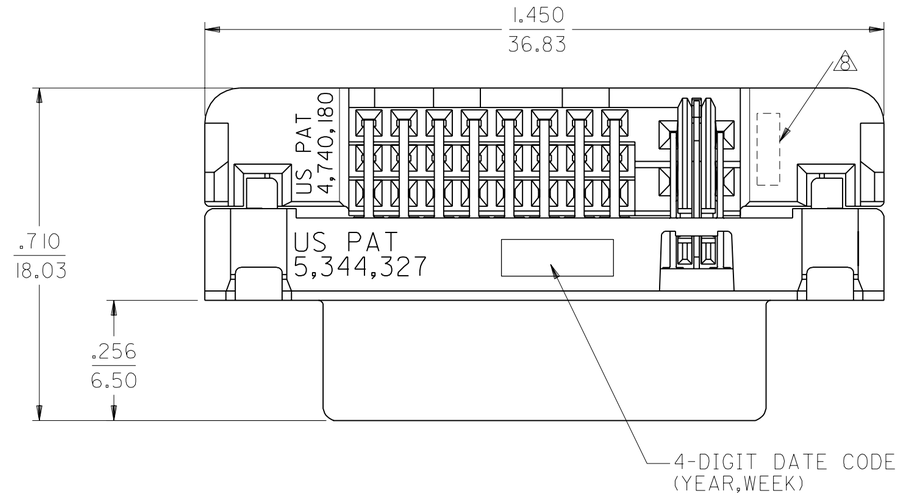
## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-74320-005, PK-74320-010 |
| Product Specification | PS-74320-001 |
| Sales Drawing | SD-74320-026 |
| Test Summary | TS-74320-001 |

This document was generated on 06/07/2010

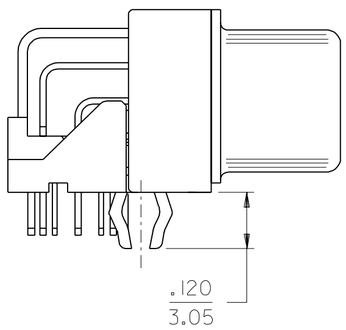
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

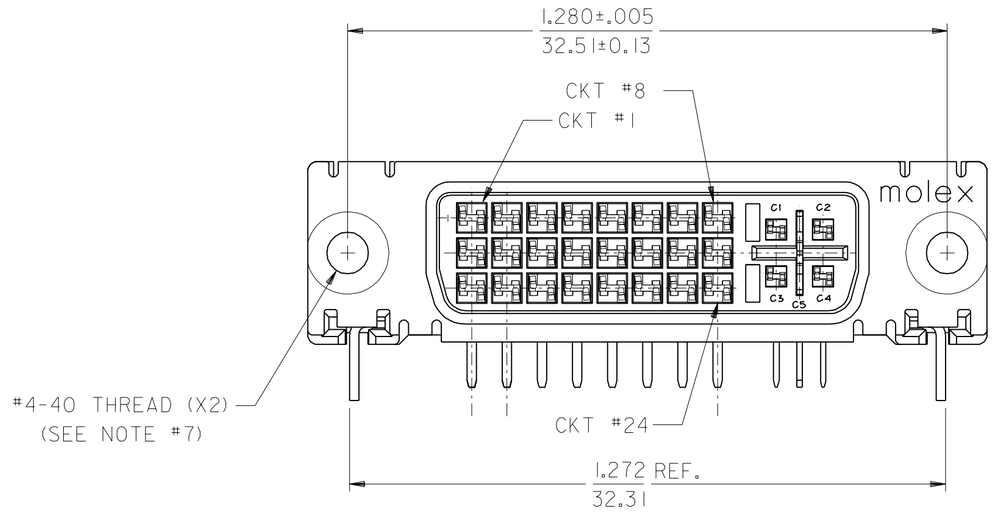
| PART NUMBER | DIM "A" | PLATING OPTION |
|---|---|---|
| 74320-9010 | .092/2.34 | 1 |
| 74320-9014 | | 2 |

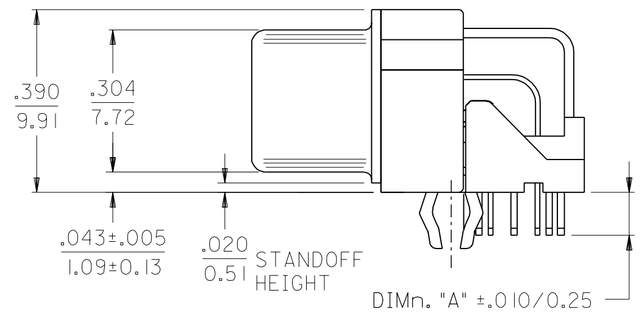


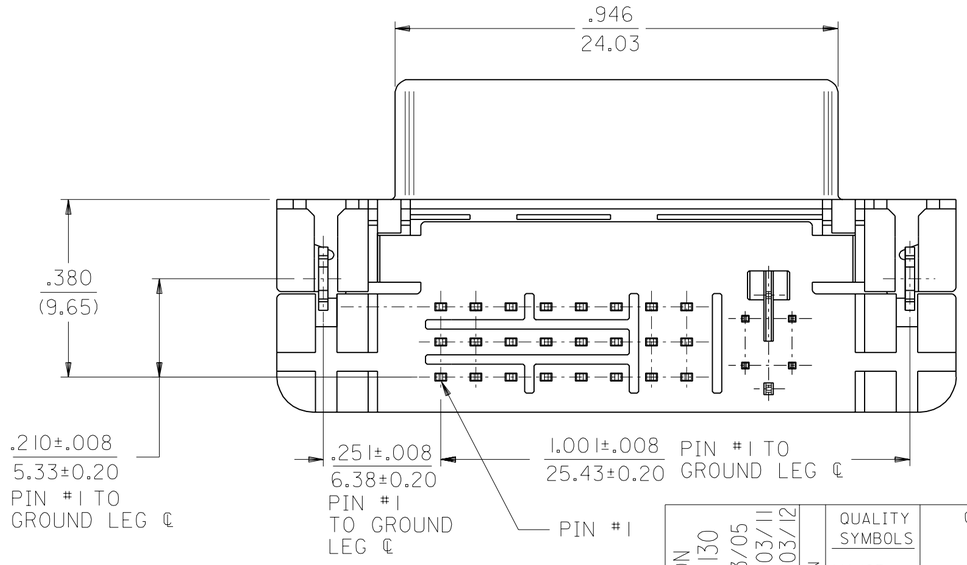

NOTES:

1. MATERIALS:
   SHIELD -- DEEP DRAW STEEL.
   HOUSING -- GLASS FILLED POLYMER, WHITE/NATURAL, UL 94v-0.
   TAIL ALIGNER -- GLASS FILLED POLYMER, WHITE/NATURAL, UL 94v-0.
   CONTACTS -- COPPER ALLOY.
   MICROCROSS GROUND -- COPPER ALLOY.
2. PLATING: SEE SHEET 2
3. PRODUCT CONFORMS TO MOLEX PRODUCT SPECIFICATION NUMBER PS-74320-001.
4. SEE SHEET 2 FOR RECOMMENDED PANEL CUT-OUT AND P.C.B. LAYOUT.
5. PARTS WILL BE PACKAGED IN TRAYS PER PK-74320-010.
6. PRODUCT CONFORMS TO DDWG DVI SPECIFICATION. REFER TO THIS SPECIFICATION FOR CONNECTOR MATING DIMENSIONS.
7. RECOMMENDED MOUNTING HARDWARE IS MOLEX P/N 71781-0001 OR 82007-0300 OR 88780-6066. REFER TO PRODUCT SPECIFICATION NUMBER PS-74320-001 FOR THE APPLICATION TORQUE REQUIREMENT FOR ASSEMBLING MOUNTING HARDWARE.
8. CAVITY NO. AND MANUFACTURING PLANT CODE.




MODIFICATION
EC NO. SH2004-0130
DRWN: DXUE 04/03/05
CH'K: HARVEY 04/03/11
APPR: SHUANG 04/03/12
DESCRIPTION
REV
C

QUALITY SYMBOLS
MAJOR =0
CRITICAL (C) =0

GENERAL TOLERANCES: (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ±0. | ±. |
| 3 PLACES | ±0. | ±.010 |
| 2 PLACES | ±0.25 | ±.010 |
| 1 PLACE | ±0.25 | ±.010 |

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 4 : 1
DESIGN UNITS ☐mm ☒INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☒ INCH/mm ☐ mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE: TMcCLELL 99/11/16
CHECKED BY & DATE: SCHMIDGA 99/11/16
APPROVED BY & DATE: NELSON 99/11/16

TITLE: DVI - I
RIGHT ANGLE RECEPTACLE
CONNECTOR W/FORKLOCK

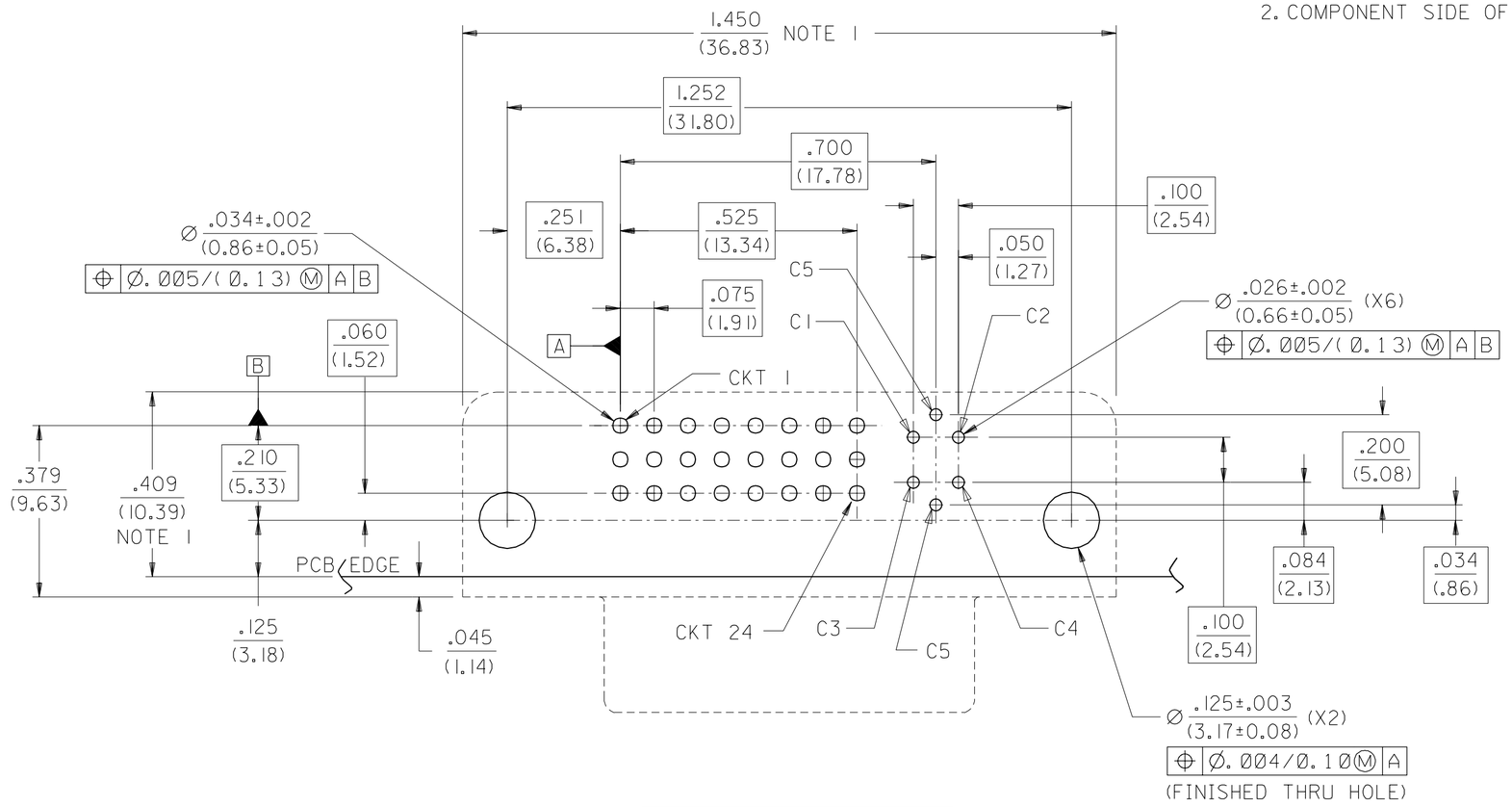
MOLEX INCORPORATED

CAD FILENAME: SD74320026.S01
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-74320-026
SHEET NO.: 1 OF 2

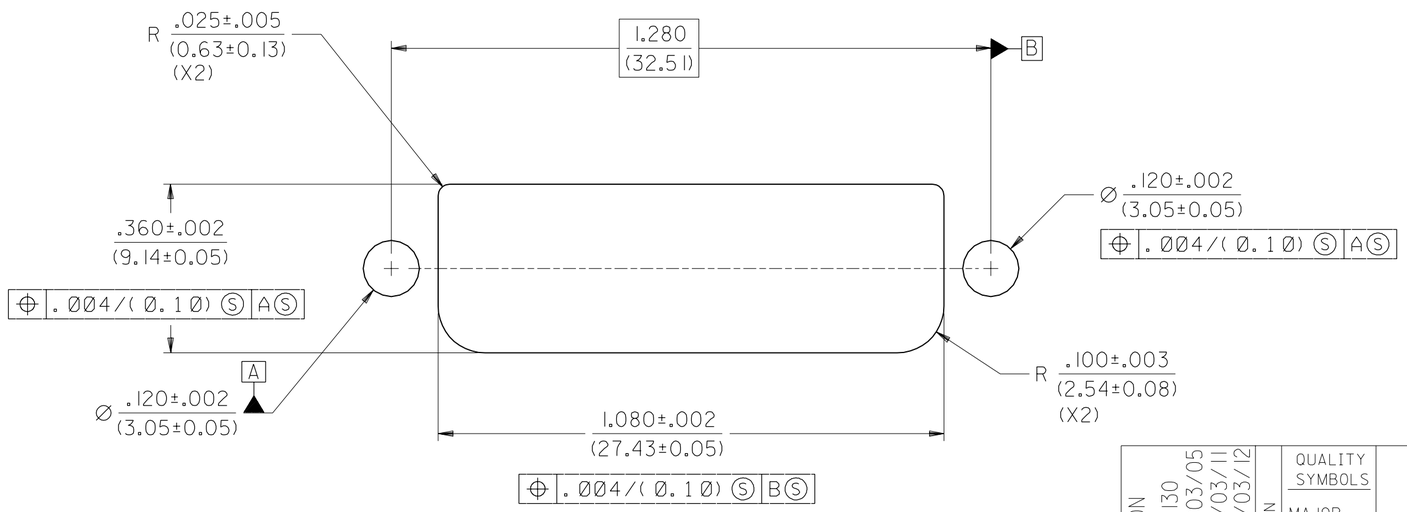
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

SIZE C

NOTES:
1. THESE DIMENSIONS REPRESENT CONNECTOR OVERLAY ON PCB.
2. COMPONENT SIDE OF PCB SHOWN.




RECOMMENDED PCB LAYOUT




RECOMMENDED PANEL CUT-OUT

NOTE:
1. PANEL THICKNESS: .030" - .040".

PLATING OPTIONS:

PLATING OPTION #1:

OUTER SHIELD -- 150u"/(3.75um) MIN. BRIGHT TIN OVER 50u"/(1.27um) MIN. NICKEL OVER COPPER FLASH

.075"/(1.91mm) CONTACTS -- 30u"/(0.75um) MIN. SELECT GOLD AND 100u"/(2.50um) MIN. SELECT PURE TIN OVER 50u"/(1.27um) MIN. NICKEL OVERALL.

PLATING OPTION #2:

OUTER SHIELD -- 150u"/(3.75um) MIN. BRIGHT TIN OVER 50u"/(1.27um) MIN. NICKEL OVER COPPER FLASH

.075"/(1.91mm) CONTACTS -- SELECT GOLD FLASH AND 100u"/(2.50um) MIN. SELECT PURE TIN OVER 50u"/(1.27um) MIN. NICKEL OVERALL.

MODIFICATION
EC NO. SH2004-0130
DRWN: DXUE 04/03/05
CH'K: HARVEY 04/03/11
APPR:SHUANG 04/03/12
DESCRIPTION
C
REV

QUALITY SYMBOLS
MAJOR =0
CRITICAL C =0

GENERAL TOLERANCES: (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ±0. | ±. |
| 3 PLACES | ±0. | ±.010 |
| 2 PLACES | ±0.25 | ±.010 |
| 1 PLACE | ±0.25 | ±.010 |

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 4 : 1
DESIGN UNITS ☐mm ☒INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☒INCH/mm ☐mm ONLY ☐INCH ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE: TMcCLELL 99/11/16
CHECKED BY & DATE: SCHMIDGA 99/11/16
APPROVED BY & DATE: NELSON 99/11/16
CAD FILENAME: SD74320026.S02

TITLE: DVI - I
RIGHT ANGLE W/FORKLOCK
RECEPTACLE CONNECTOR

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DRAWING NO.: SD-74320-026
SHEET NO.: 2
SIZE: C

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