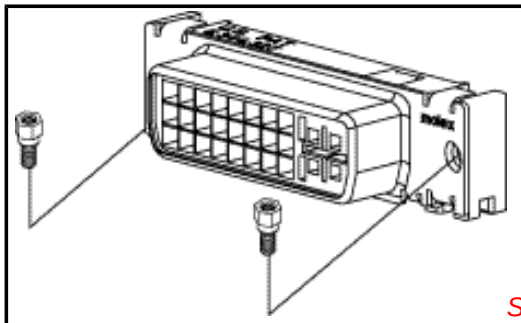
This document was generated on 04/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0743203008

Status: Active

Description: MicroCross™ DVI-A Analog Visual Interface, PCB Receptacle, Panel Mount, Through Hole, Vertical, 0.76µm (30µ) Gold (Au), Lead Free, Screw Hole, 4-40 Thread, 12 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
Product Name	MicroCross™DVI
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	12
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	Vertical
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
Temperature Range - Operating	-20°C to +85°C

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

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)

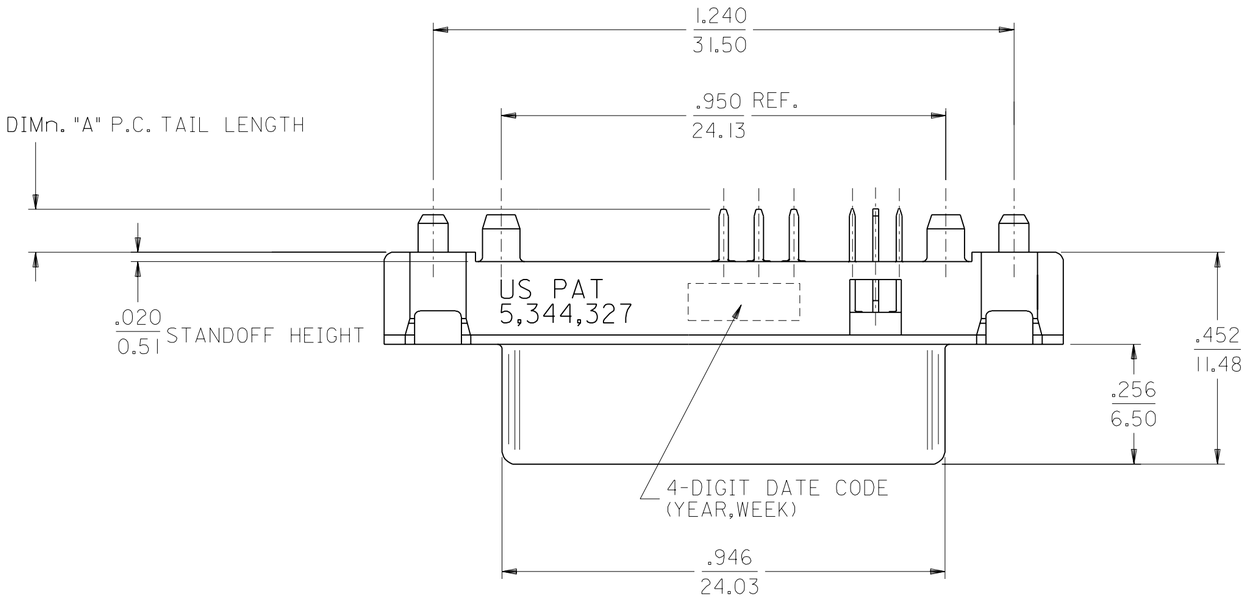
Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

Material Info

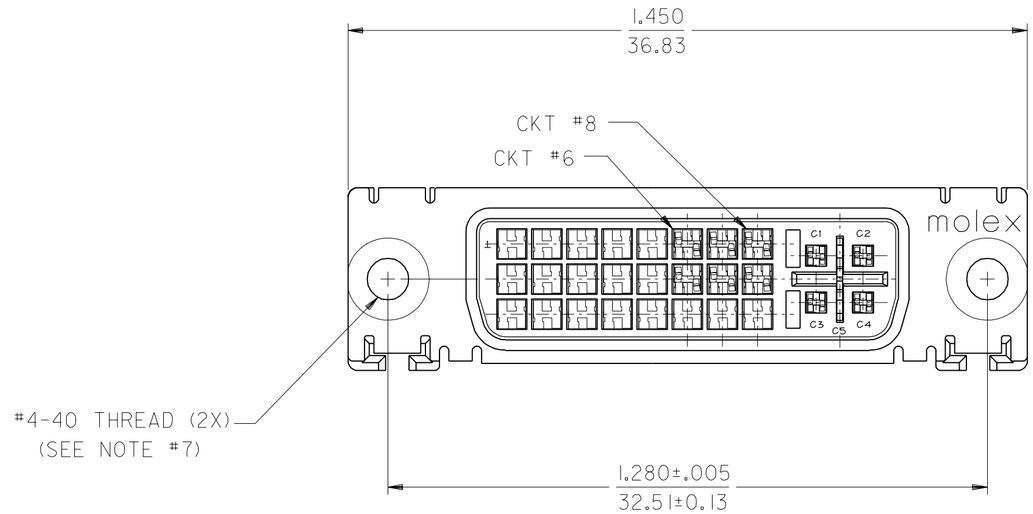
Reference - Drawing Numbers

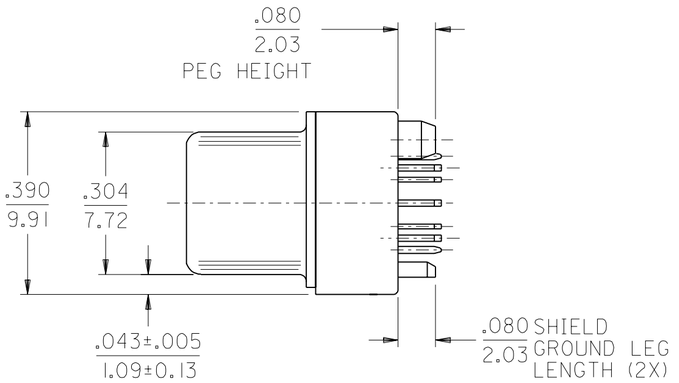
Product Specification	PS-74320-001
Sales Drawing	SD-74320-016



NOTES:

1. MATERIALS:
   SHIELD -- DEEP DRAW STEEL.
   HOUSING -- GLASS FILLED POLYMER, NATURAL (WHITE), 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 FOR THE APPLICATION TORQUE REQUIREMENT FOR ASSEMBLING MOUNTING HARDWARE.





PART NUMBER	DIMn "A"	PLATING OPTION
74320-3008	.092/2.34	1
74320-3009	.092/2.34	2

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

DESCRIPTION

REV: D

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: ☐ INCH ONLY ☐ mm/INCH ☒ INCH/mm ☐ mm ONLY
SHT REV
REVISE ON CAD ONLY

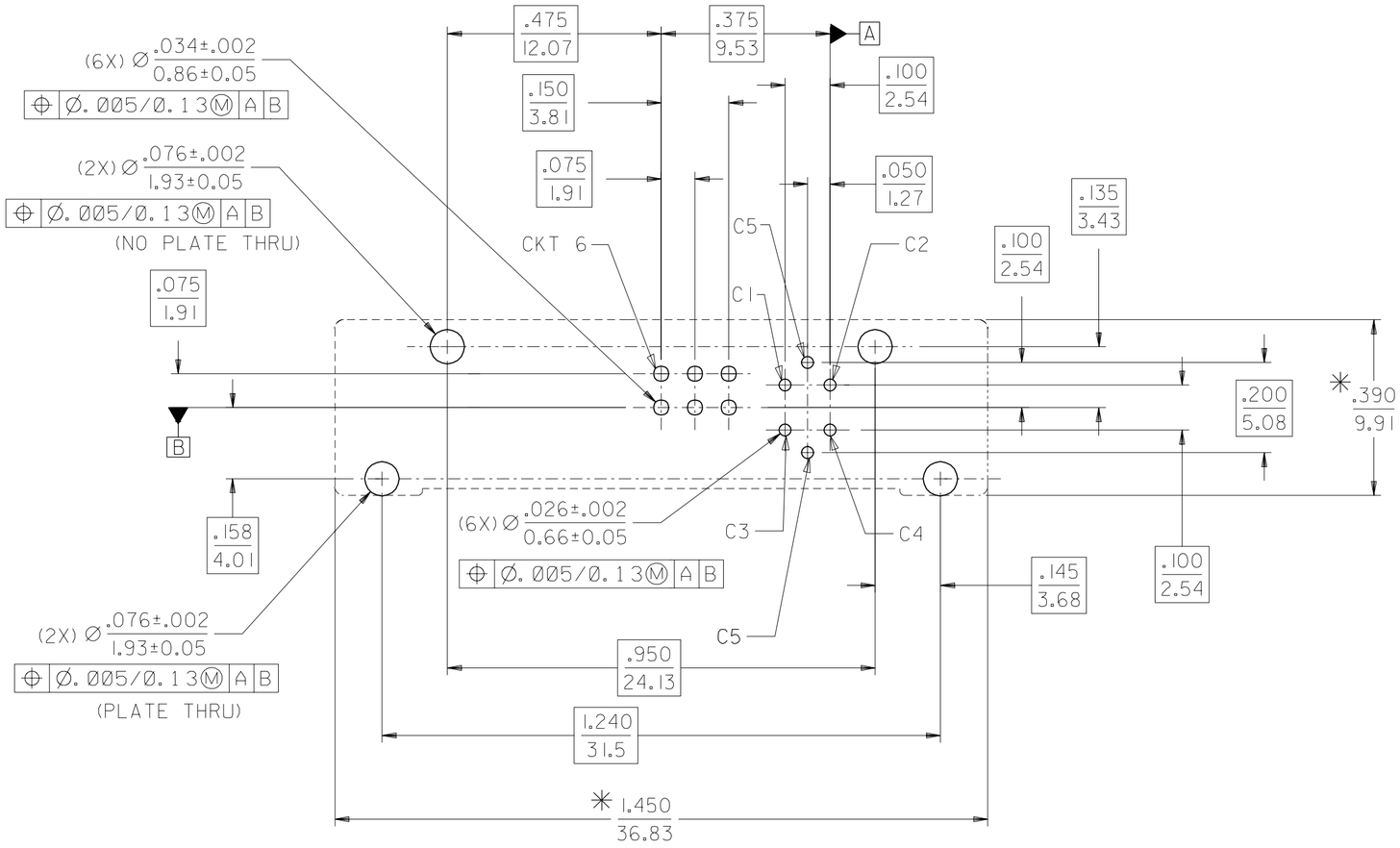
DRAWN BY & DATE: KSMITH 99/07/15
CHECKED BY & DATE: DSCHMIDG 99/07/15
APPROVED BY & DATE: RNELSON 99/07/15
CAD FILENAME: SD74320016.S01

TITLE: DVI - A VERTICAL RECEPTACLE CONNECTOR

MOLEX INCORPORATED

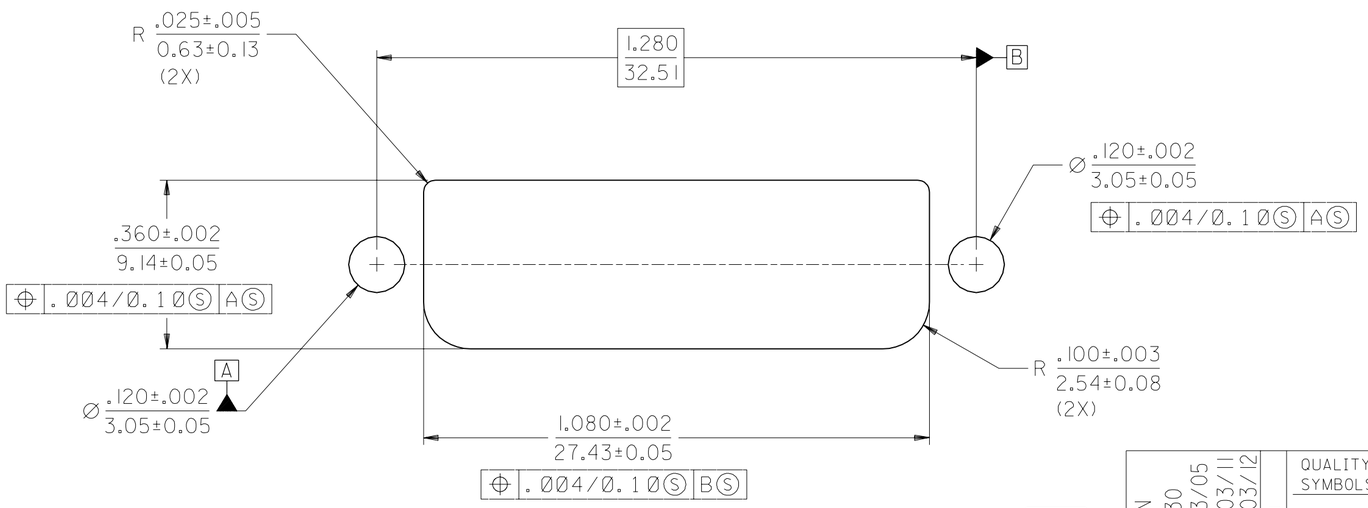
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-74320-016
SHEET NO.: 1 OF 2
SIZE: C

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



RECOMMENDED PCB LAYOUT

✳THESE DIMENSIONS REPRESENT CONNECTOR OVERLAY ON PCB.



RECOMMENDED PANEL CUT-OUT
PANEL THICKNESS: 030/0.76 - .040/1.02

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.

.100"/2.54mm CONTACTS -- 30u"/0.75um MIN. SELECT GOLD AND 100u"/2.50um MIN. SELECT PURE TIN OVER 50u"/1.27um MIN. NICKEL OVERALL.

MICROCROSS GROUND -- 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.

.100"/2.54mm CONTACTS -- SELECT GOLD FLASH AND 100u"/2.50um SELECT PURE TIN OVER 50u"/1.27um MIN. NICKEL OVERALL.

MICROCROSS GROUND -- 30u"/0.75um MIN. SELECT GOLD 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
D
REV

QUALITY SYMBOLS
MAJOR ▽=0
CRITICAL Ⓒ▽=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: ☐ INCH ONLY ☐ mm INCH ☒ INCH mm ☐ mm ONLY | SHT | REV | REVISE ON CAD ONLY

DRAWN BY & DATE KSMITH 99/07/15
CHECKED BY & DATE DSCHMIDG 99/07/15
APPROVED BY & DATE RNELSON 99/07/15

TITLE: DVI - A VERTICAL RECEPTACLE CONNECTOR

molex MOLEX INCORPORATED

CAD FILENAME SD74320016.S02 | MATERIAL NO. SEE CHART | DRAWING NO. SD-74320-016 | SHEET NO. 2

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

SIZE C