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Part Number: 0743209004

Status: Active

Description: MicroCross™ DVI-D Digital Visual Interface, PCB Receptacle, Panel Mount, Through Hole, ATX with Beveled Metal Pins, Right Angle, Gold (Au) Flash, 2.34mm (.092") Solder Tail Length, Screw Hole, 4-40 Thread, 24 Circuits, Lead Free

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)	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
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
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)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1

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

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

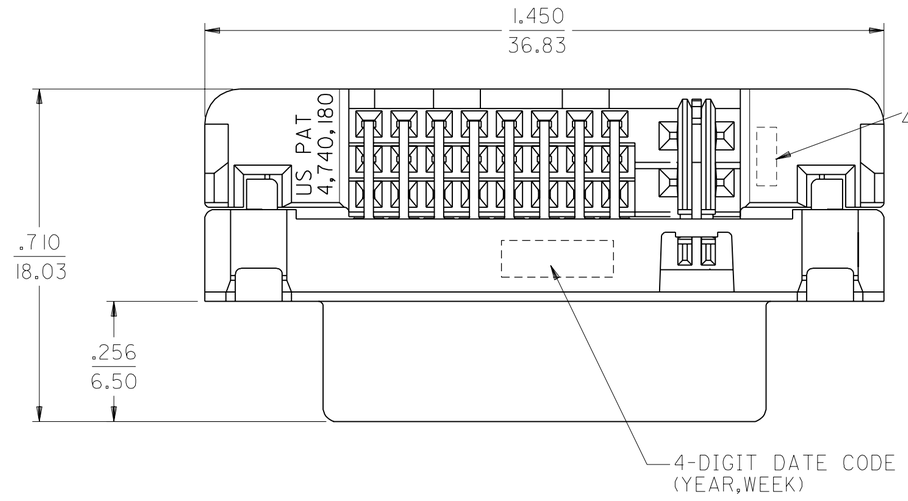
Current - Maximum per Contact	3A
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	40V AC (RMS)

Material Info

Reference - Drawing Numbers

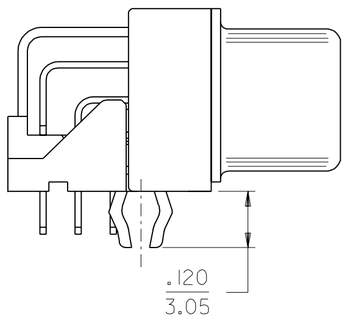
Product Specification	PS-74320-001, RPS-74320-006, RPS-74320-007, RPS-74320-010
Sales Drawing	SD-74320-009

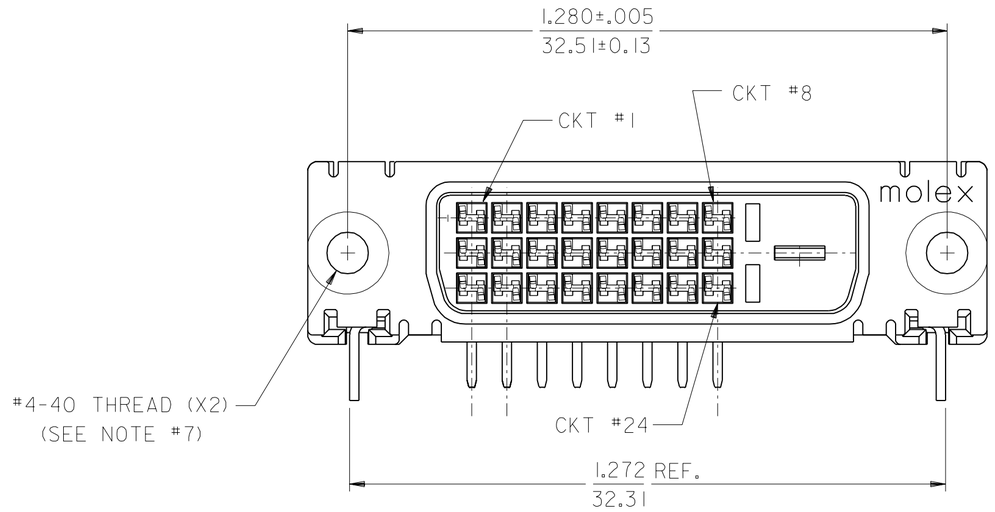
PART NUMBER	DIM. "A"	PLATING OPTION
74320-9000	.092/2.34	1
74320-9004	.092/2.34	2
74320-9006	.110/2.79	2

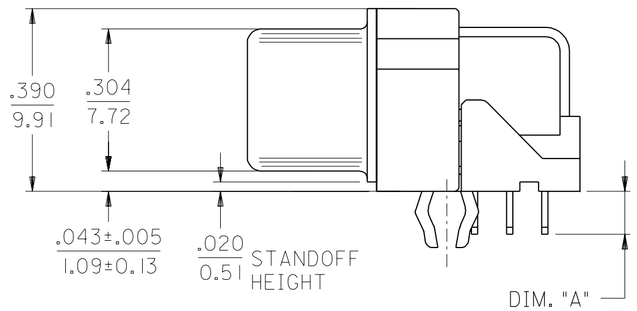


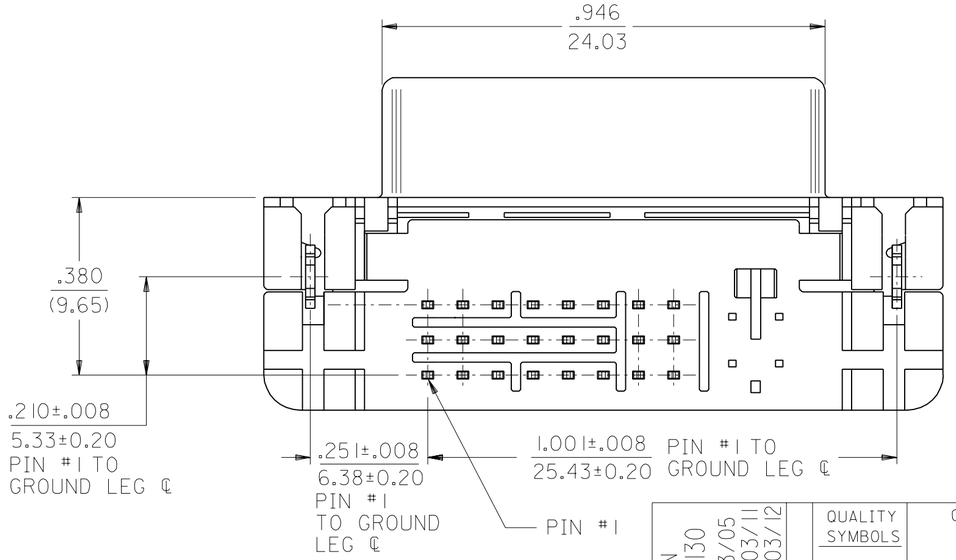
NOTES:

1. MATERIALS:
   SHIELD -- DEEP DRAW STEEL.
   HOUSING -- GLASS FILLED POLYMER, NATURAL (WHITE), UL 94v-0.
   TAIL ALIGNER -- 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 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

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 99/05/12
CHECKED BY & DATE: MOSULLIV 99/05/12
APPROVED BY & DATE: NELLIGAN 99/05/12

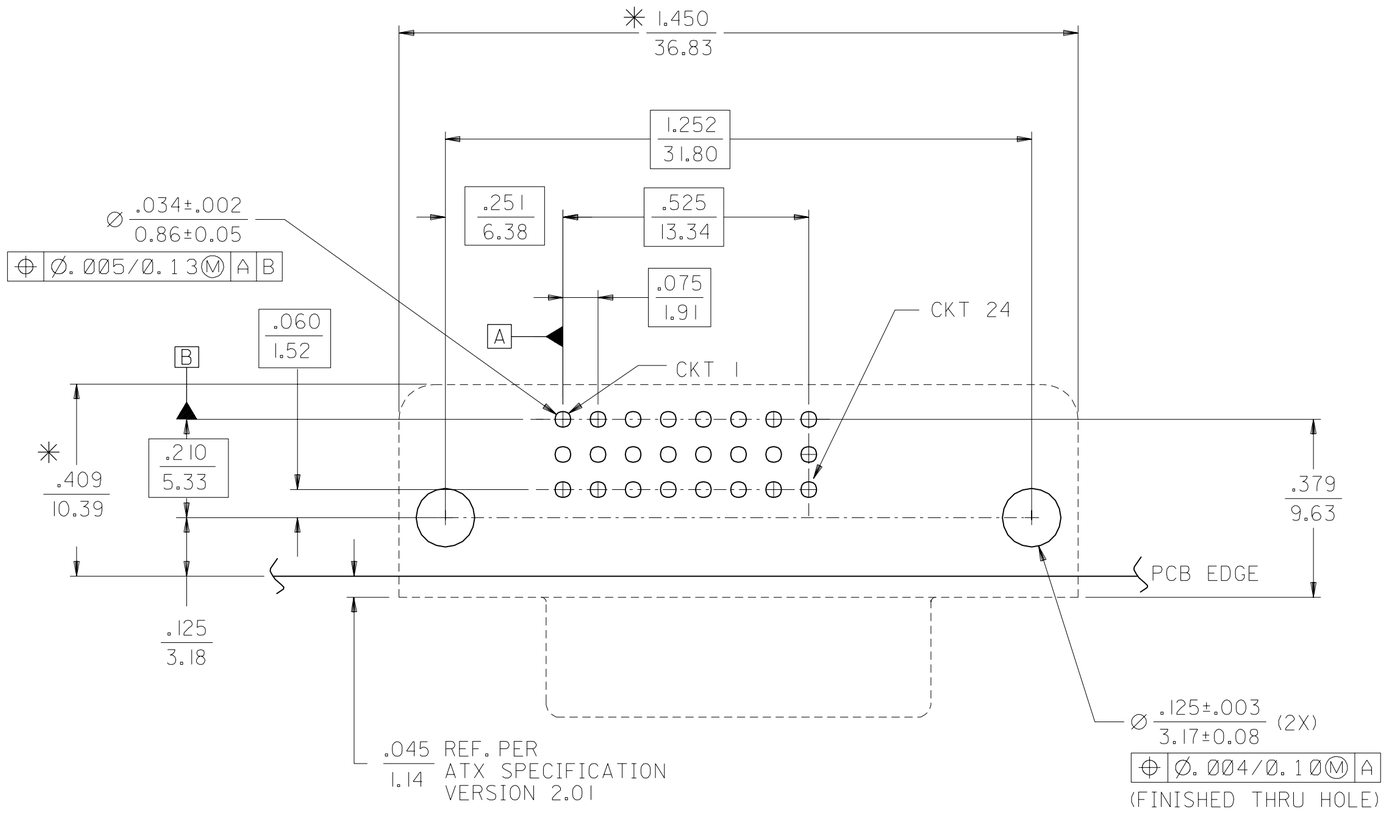
TITLE: DVI - D/ATX
RIGHT ANGLE RECEPTACLE
CONNECTOR W/FORKLOCK

MOLEX INCORPORATED

CAD FILENAME: SD74320009.S01
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-74320-009
SHEET NO.: 1 OF 2

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

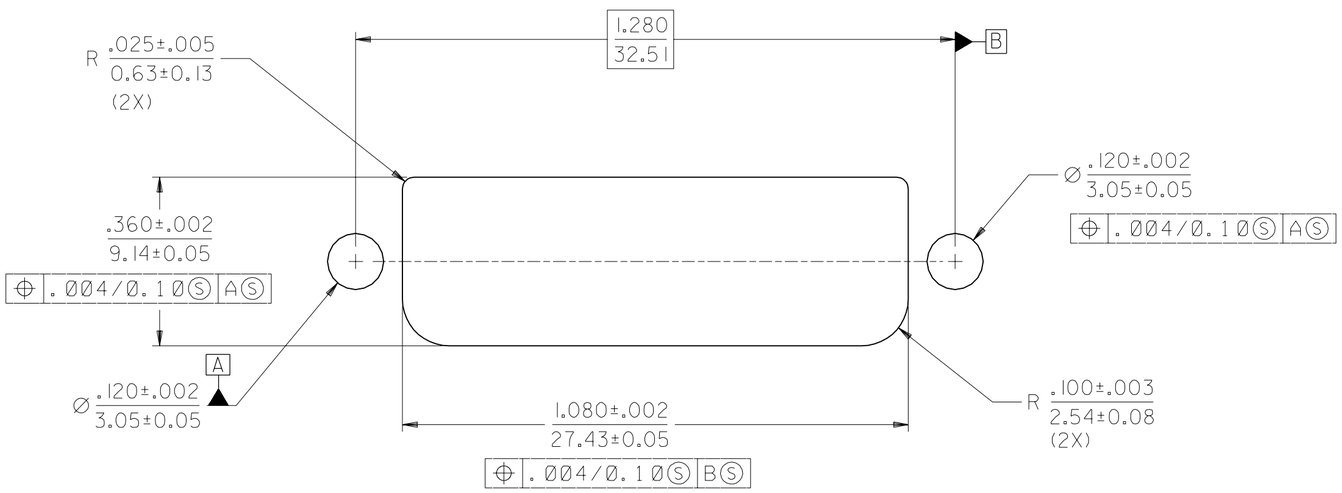
SIZE C



RECOMMENDED PCB LAYOUT

COMPONENT SIDE OF PCB SHOWN

✳ THESE DIMENSIONS REPRESENT CONNECTOR OVERLAY ON PCB.



RECOMMENDED PANEL CUT-OUT
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
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: TMcCLELL 99/05/12
CHECKED BY & DATE: MOSULLIV 99/05/12
APPROVED BY & DATE: NELLIGAN 99/05/15

TITLE: DVI - D/ATX
RIGHT ANGLE RECEPTACLE
CONNECTOR W/FORKLOCK

MOLEX INCORPORATED

CAD FILENAME: SD74320009.S02
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-74320-009
SHEET NO.: 2
SIZE: C

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