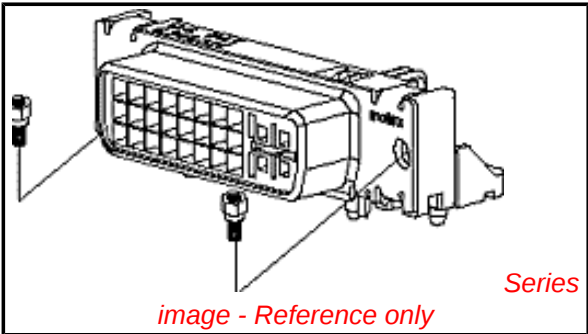


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0743201008](#)
Status: **Active**
Description: MicroCross™ DVI-A Analog Visual Interface, PCB Receptacle, Panel Mount, Through Hole, Right Angle, 0.76µm (30µ") Gold (Au), 2.34mm (.092") P.C. Tail Length, Screw Hole, 4-40 Thread, 18 Circuits, Lead free

Documents:

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



Agency Certification

UL	E29179
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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)	18
Circuits (maximum)	18
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
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-74320-017

This document was generated on 04/05/2010

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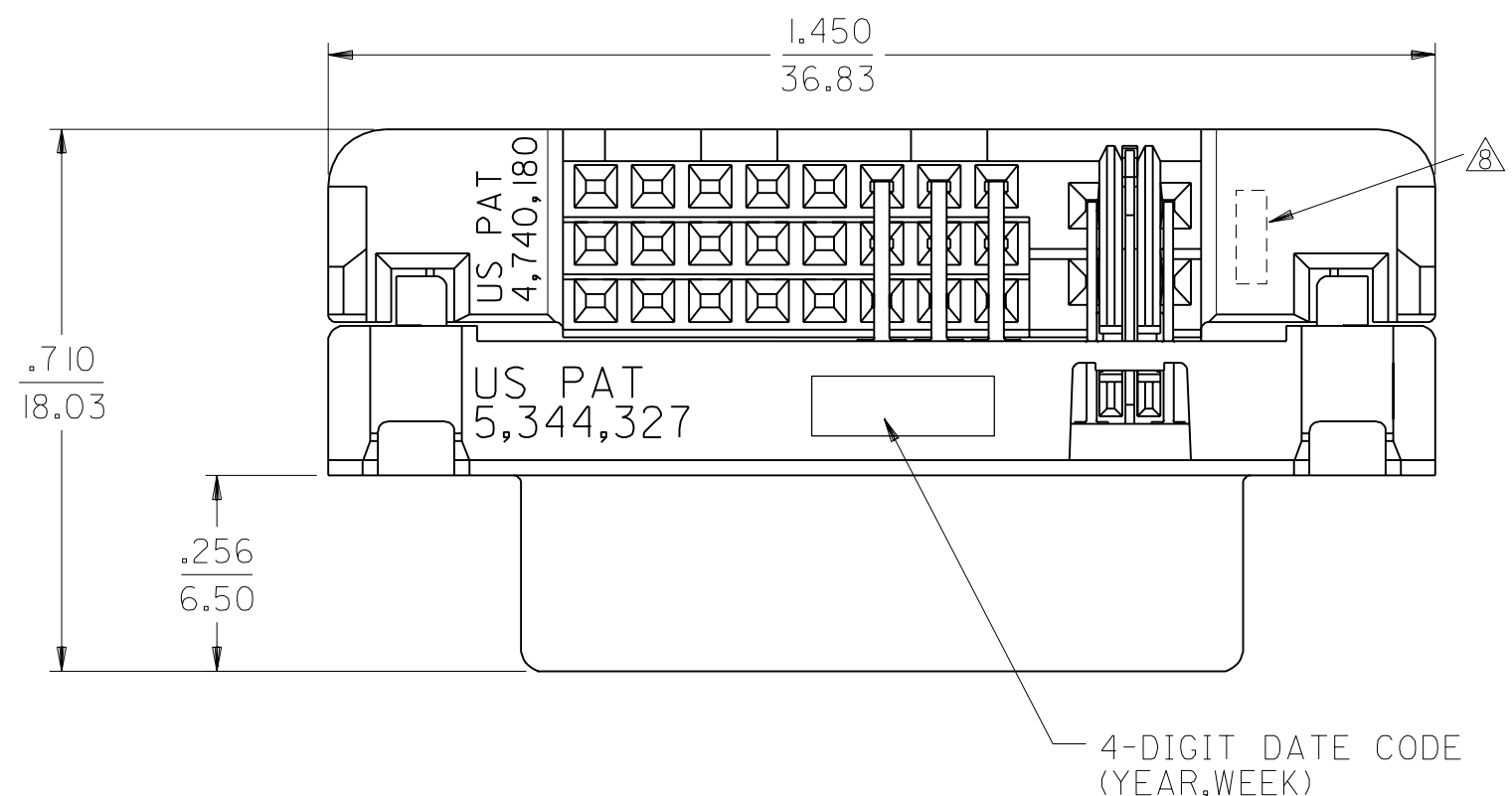
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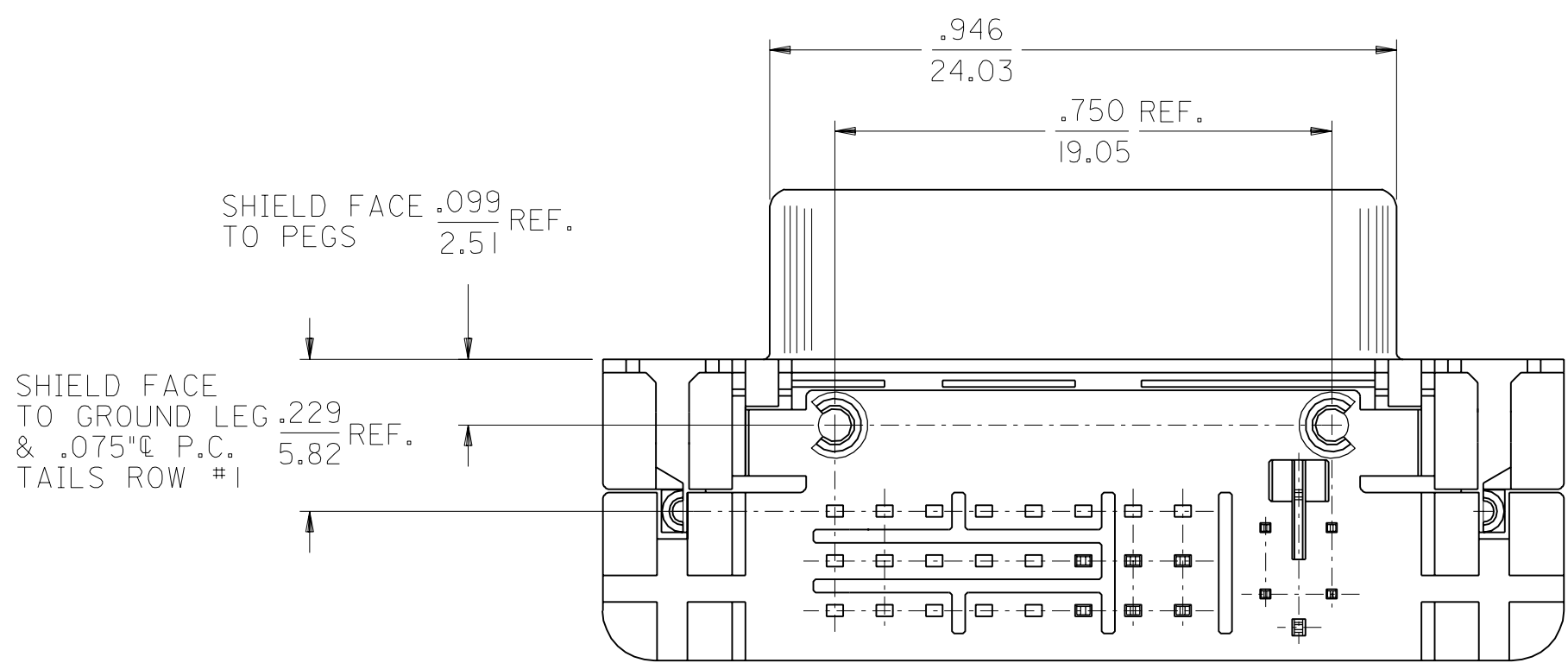
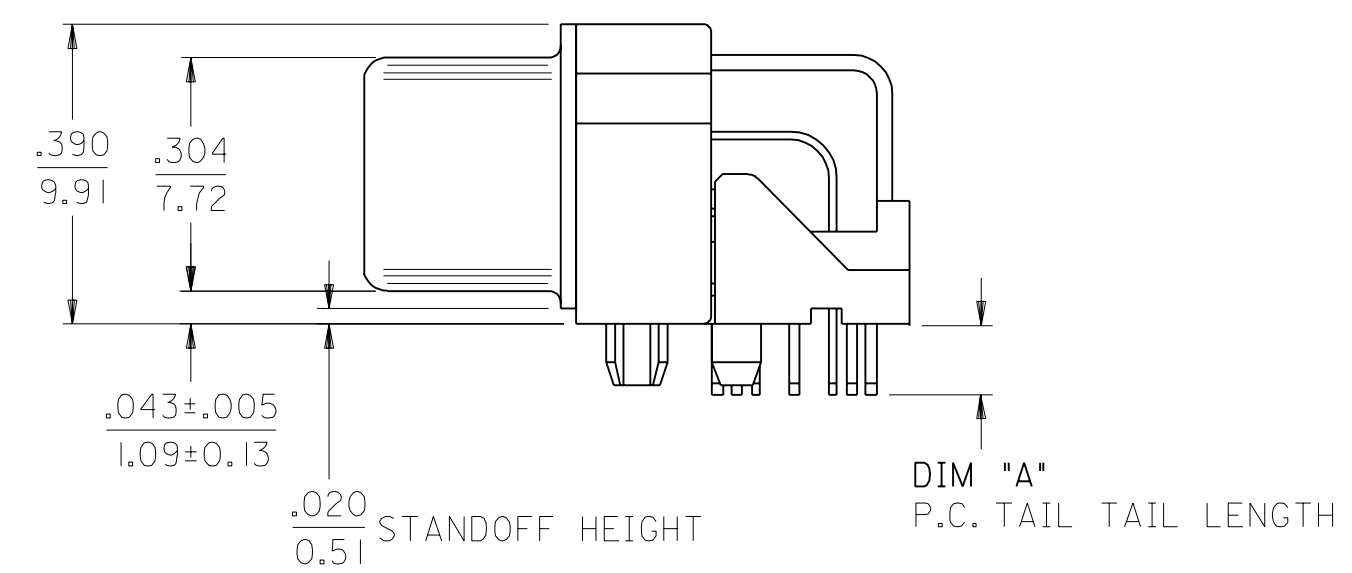
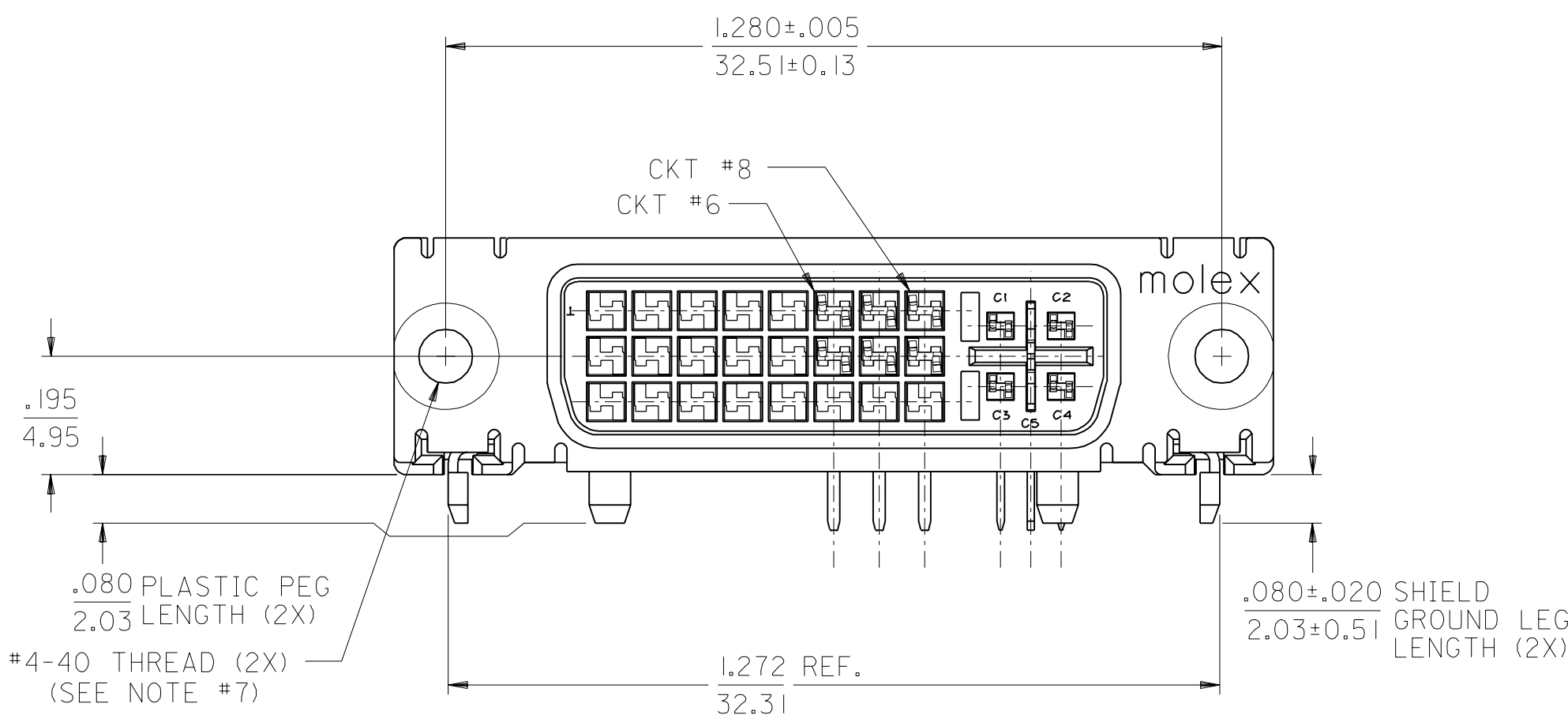
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B

A



- NOTES:
- 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.
 - PLATING: SEE SHEET 2
 - PRODUCT CONFORMS TO MOLEX PRODUCT SPECIFICATION NUMBER PS-74320-001. REFER TO THIS SPECIFICATION FOR SPACING ON A P.C.B. OF TWO OR MORE CONNECTORS WHEN USING A CABLE OR AN ADAPTER ASSEMBLY.
 - SEE SHEET 2 FOR RECOMMENDED PANEL CUT-OUT AND P.C.B. LAYOUT.
 - PARTS WILL BE PACKAGED IN TRAYS PER PK-74320-010.
 - PRODUCT CONFORMS TO DDWG DVI SPECIFICATION. REFER TO THIS SPECIFICATION FOR CONNECTOR MATING DIMENSIONS.
 - 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.
- △ CAVITY NO. AND MANUFACTURING PLANT CODE.



PART NUMBER	DIMn "A"	PLATING OPTION
74320-1008	.092/2.34	1
74320-1009	.092/2.34	2
74320-1010	.050/1.27	1
74320-1011	.050/1.27	2

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

DESCRIPTION

REV

QUALITY SYMBOLS
MAJOR
=0
CRITICAL
=0

GENERAL TOLERANCES:
(UNLESS SPECIFIED)

SCALE
4 : 1

DESIGN UNITS
mm INCH

THIRD ANGLE PROJECTION

TITLE:
DVI - A RIGHT ANGLE RECEPTACLE CONNECTOR

MOLEX INCORPORATED

CAD FILENAME
SD74320017.S01

MATERIAL NO.
SEE CHART

DRAWING NO.
SD-74320-017

SHEET NO.
1 OF 2

SIZE
C

4 PLACES ±0. --- ±. ---

3 PLACES ±0. --- ±. 0 10

2 PLACES ±0.25 ±. 0 10

1 PLACE ±0.25 ±. 0 10

ANGULAR: ± 1/2 °

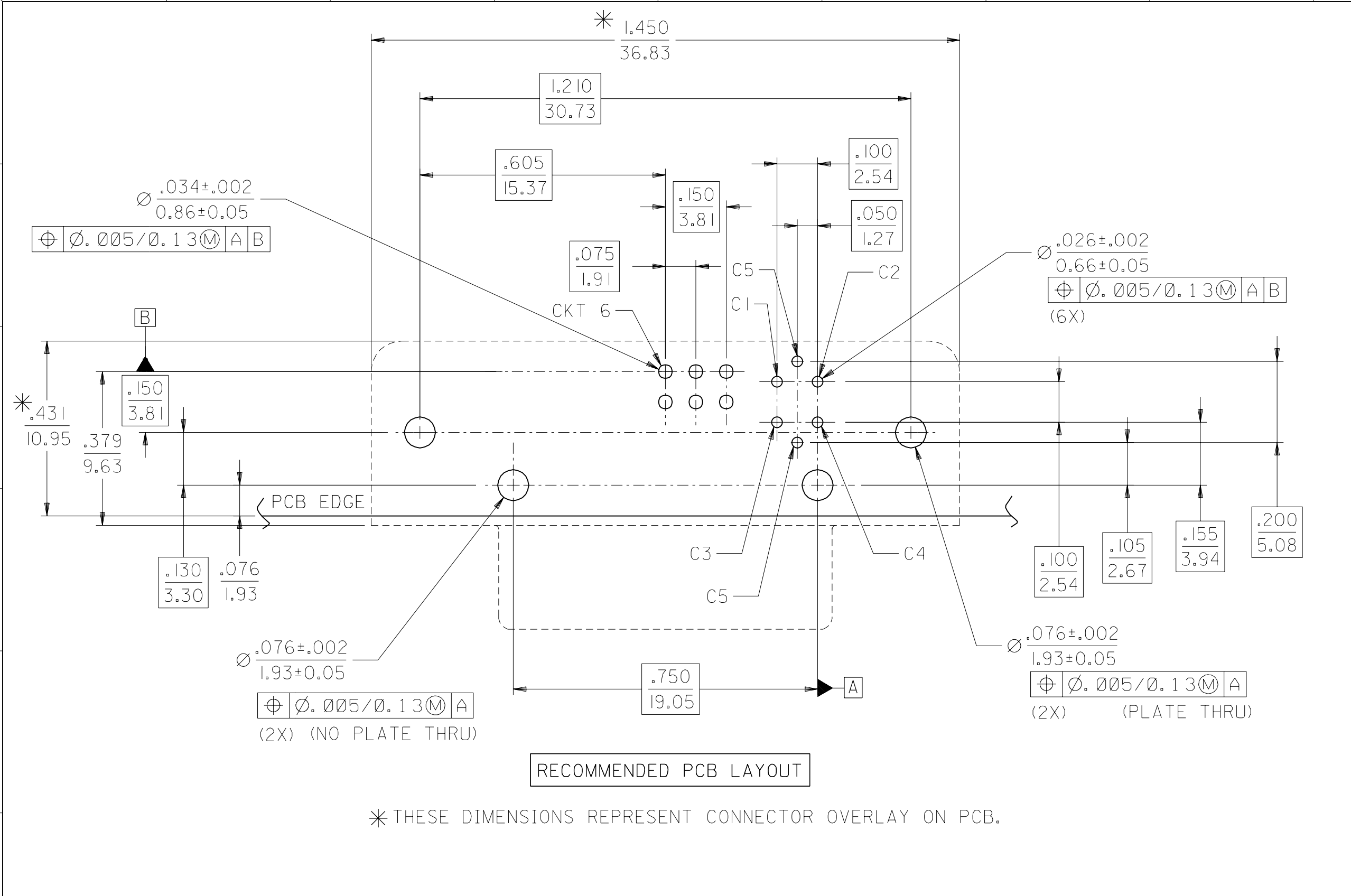
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DIMENSIONS:
mm INCH
mm INCH
mm INCH

SHT
REV

REVISE ON CAD ONLY



PLATING OPTIONS:

PLATING OPTION # 1:

OUTER SHIELD -- 150u"/(3.75um) MIN. BRIGHT TIN OVER
50u"/(1.27um) MIN. NICKEL OVER COPPER FLASH.
0.075"/(1.91mm) CONTACTS -- 30u"/(0.75um) MIN. SELECT GOLD AND
100u"/(2.50um) MIN. SELECT PURE TIN
OVER 50u"/(1.27um) MIN. NICKEL OVERALL.
0.100"/(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.

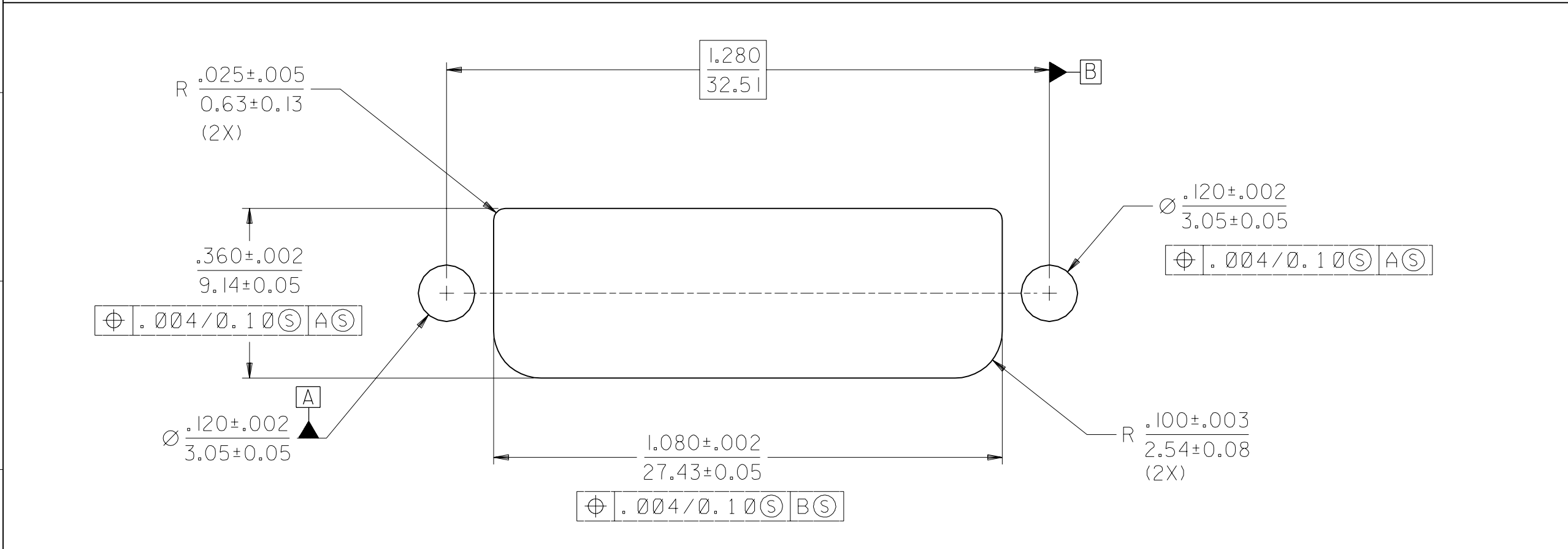
PLATING OPTION #2:

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) 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.



RECOMMENDED PANEL CUT-OUT
PANEL THICKNESS: .030" - .040"

MODIFICATION EC NO. SH2004-0130 DRWN:DXUE 04/03/05 CHK: HARVEY 04/03/11 APPR:SHUANG 04/03/12	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)			SCALE 4 : 1	DESIGN UNITS ☐ mm ☒ INCH	THIRD ANGLE PROJECTION	☐ mm INCH ☒ INCH/mm ☐ mm ONLY	REVISE ON CAD ONLY	
		MAJOR 		mm	INCH	DRAWN BY & DATE KSMITH 99/07/15		TITLE: DVI - A RIGHT ANGLE RECEPTACLE CONNECTOR			
		CRITICAL 	4 PLACES	±0. ---	±. ---	CHECKED BY & DATE DSCHMIDG 99/07/15		MOLEX MOLEX INCORPORATED			
			3 PLACES	±0. ---	±. 010	APPROVED BY & DATE RNELSON 99/07/15					
			2 PLACES	±0.25	±. 010	CAD FILENAME SD74320017.S02					
1 PLACE	±0.25	±. 010	ANGULAR: ± 1/2°								
	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE C