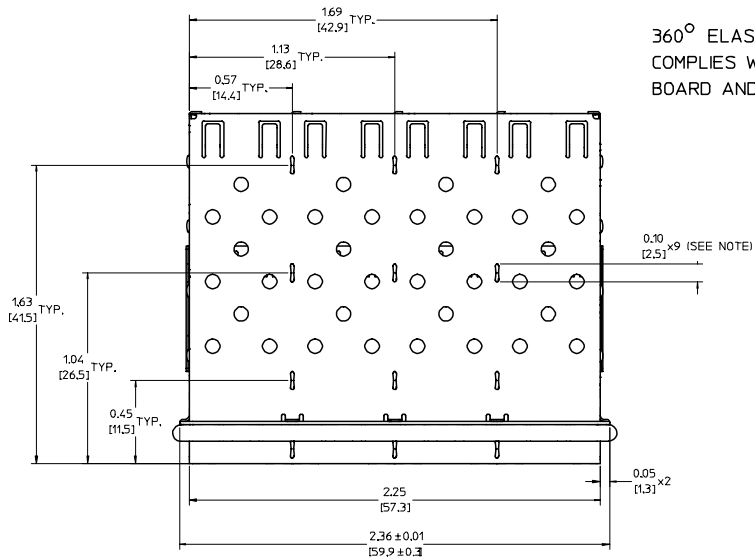


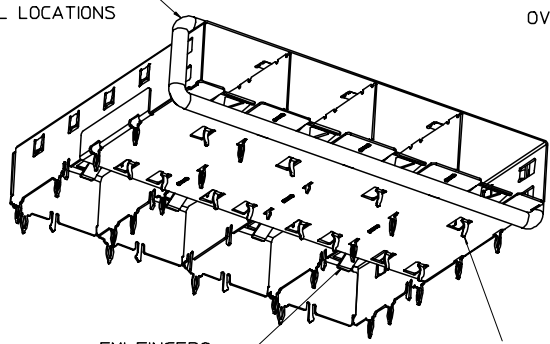
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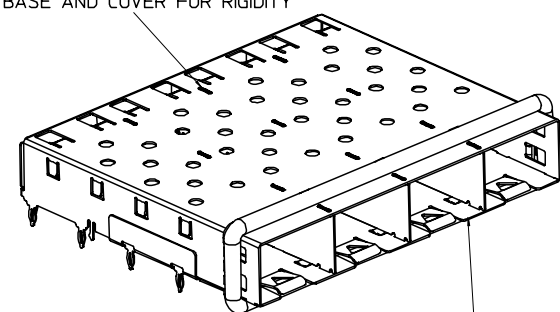
360° ELASTOMER GASKET  
COMPLIES WITH (SFP) MSA  
BOARD AND BEZEL LOCATIONS

INNER WALL TABS ARE COINED  
OVER BASE AND COVER FOR RIGIDITY

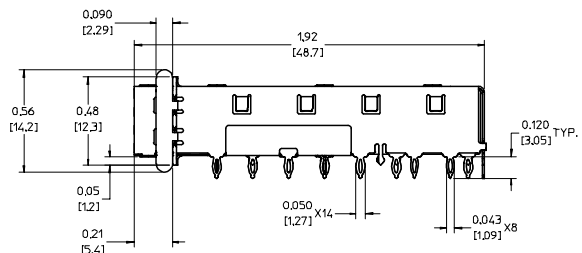
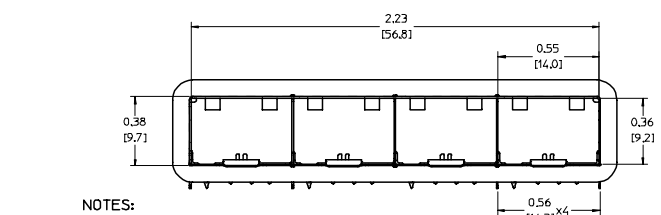


EMI FINGERS  
CONTACT ADAPTER

12 UNDER BELLY EMI PINS



DIMENSIONS OF EACH INNER CAGE DESIGNED  
TO FUNCTION WITH SMALL FORM-FACTOR  
PLUGGABLE (SFP) TRANSCEIVER



NOTES:

- PRESS FIT LEGS 0.120" LONG-  
0.062 [1.57] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.  
0.118 [3.00] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.

- MATERIAL: COPPER ALLOY  
PLATING: NONE

NOTE: A PRE-PLATED NICKEL VERSION IS AVAILABLE.  
REFER TO DOCUMENT SD-74728-420

- REFERENCE DOCUMENTS:  
PRODUCT SPECIFICATION: PS-74728-000  
COSMETIC SPECIFICATIONS: WI-HP-7-2774 AND WI-HPA-7-0093  
TEST SUMMARY: TS-74728-0415

- MATES WITH SERIES 74728, LIGHT PIPE COVER ASSEMBLY.

- THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN  
ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC).

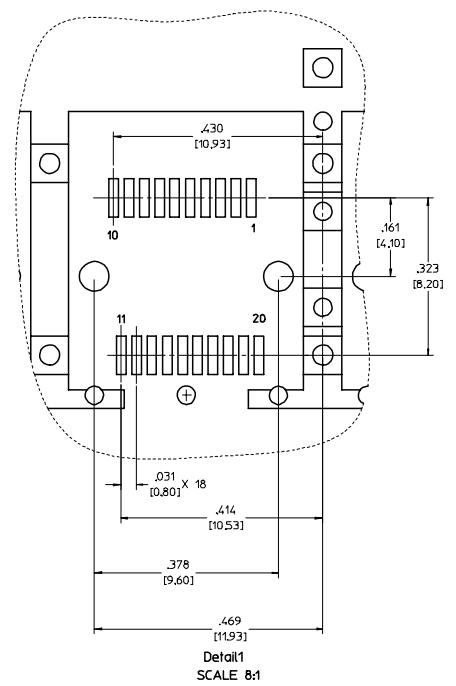
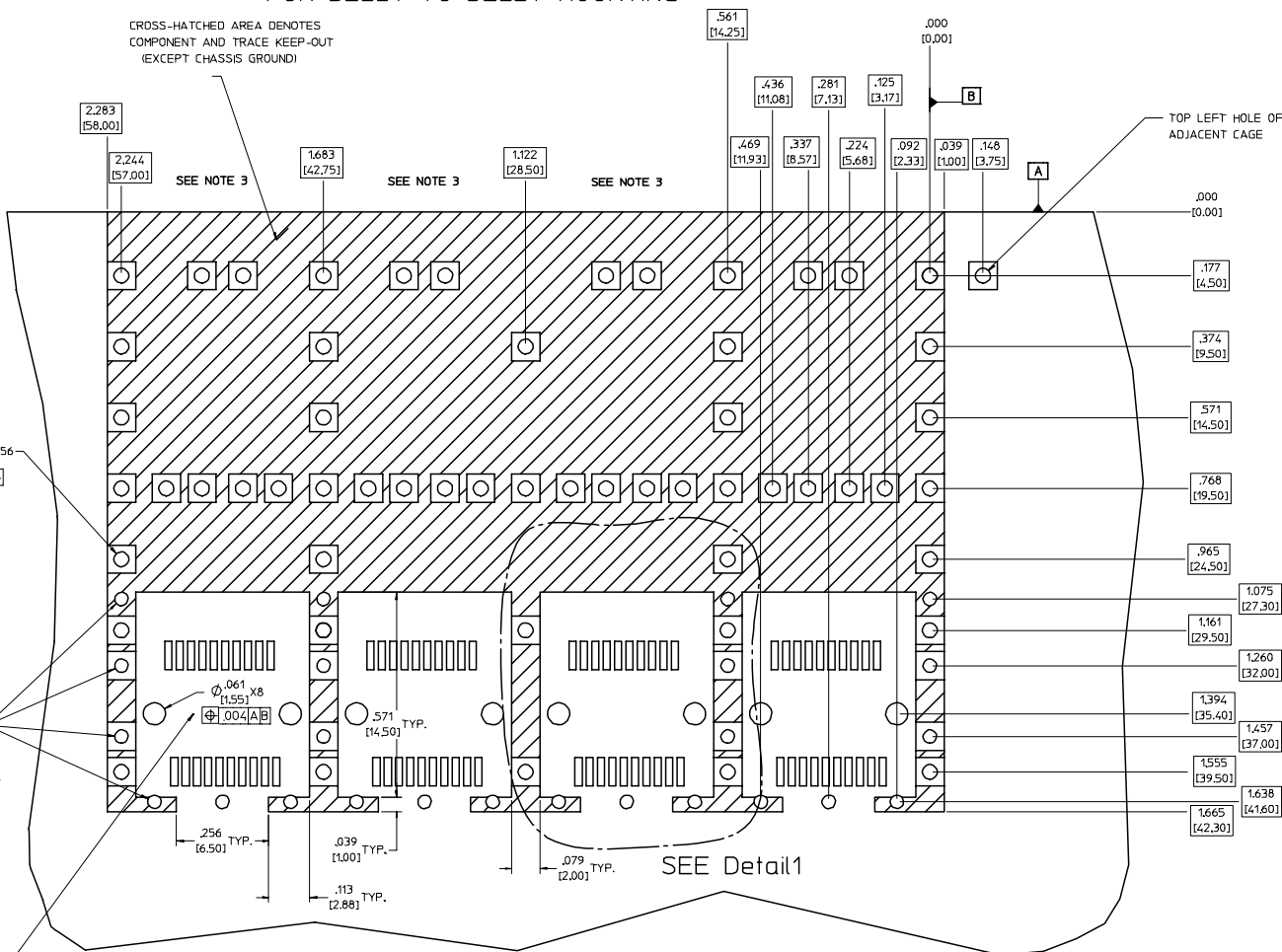
EC NO: USY2006-0225 DRW:KSIMONSO0601/24 CHKD:BRUSSELL200601/24 APPR:BRUSSELL200601/25 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
	4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± ---	DIMENSION STYLE IN/MM DRAWN BY DATE KSIMONSO 2004/10/09 CHECKED BY DATE BRUSSELL 2004/10/09 APPROVED BY DATE BRUSSELL 2004/10/09	DIMENSION STYLE IN/MM TITLE 1X4 SFP GANGED CAGE ASSY W/ 0.090 GASKET, PRESS FIT, F/ LIGHT PIPE	MOLEX INCORPORATED MATERIAL NO. 747280411 DOCUMENT NO. SD-74728-411 SHEET NO. 1 OF 5			
	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					

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

### PCB LAYOUT FOR BELLY TO BELLY MOUNTING

CROSS-HATCHED AREA DENOTES  
COMPONENT AND TRACE KEEP-OUT  
(EXCEPT CHASSIS GROUND)

### HOST CONNECTOR DETAIL



Detail1  
SCALE 8:1

$\varnothing .041 \pm .002$   
 $(1.05 \pm 0.05)$   
X56  
[.004] [A] [B]

$\varnothing .037 \pm .002$   
 $(0.95 \pm 0.05)$   
X24  
[.004] [A] [B]  
SMALLER HOLE ON  
THESE FOUR ROWS ONLY

THIS AREA DENOTES  
COMPONENT KEEP-OUT  
(TRACES ALLOWED)

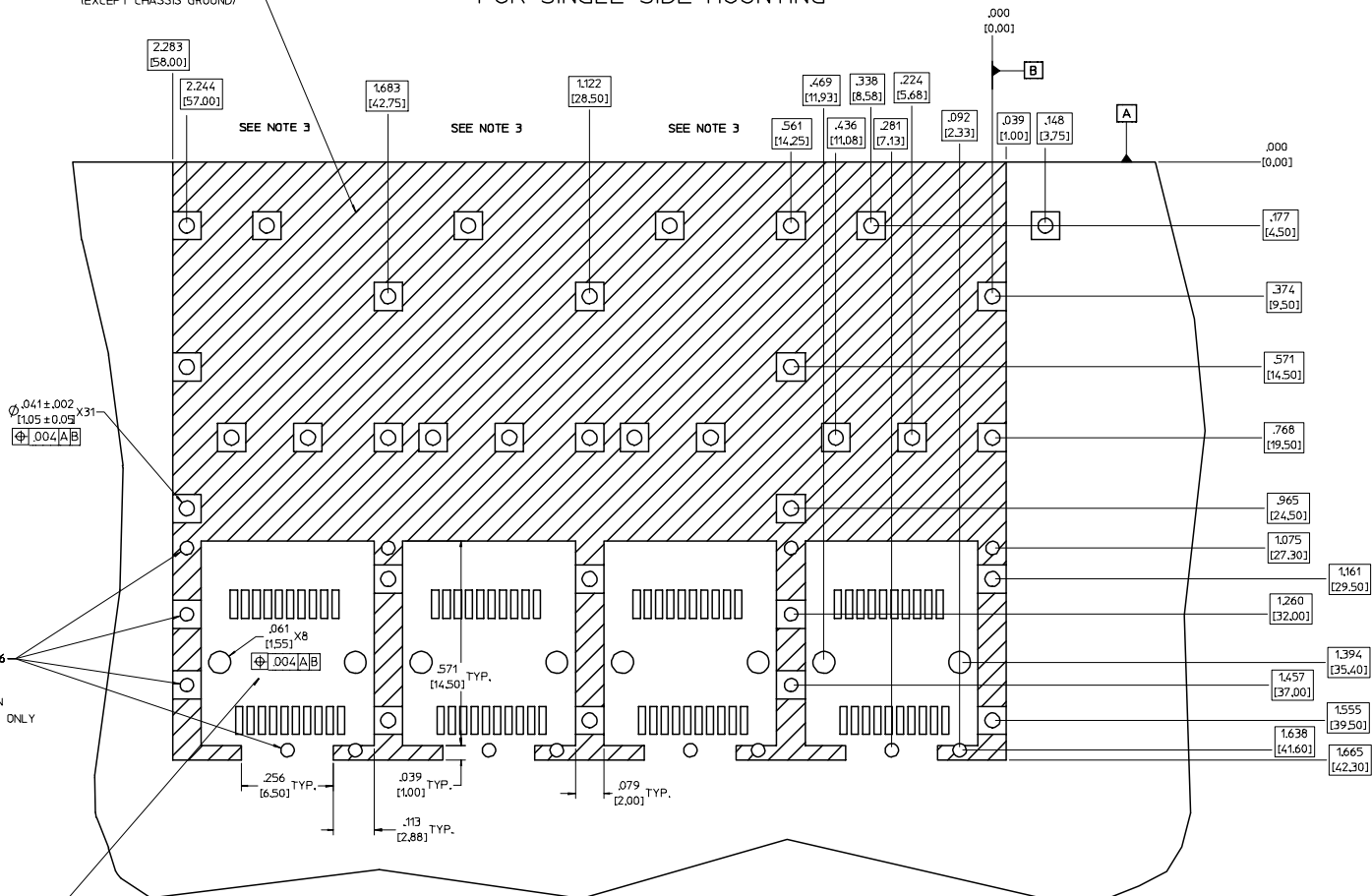
- NOTES:
- PADS AND VIAS GO TO CHASSIS GROUND. (64 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE
  - PLATING OPTIONAL FOR THROUGH HOLES. (16 PLACES).
  - RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
  - HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 5.61 [14.25]

EC NO: USY2006-0225 DRW:KSIMONSON006/01/24 CHK:D.BRUSSELL2006/01/24 APPR:R.BRUSSELL2006/01/25 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 6:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	$\nabla .0$ $\nabla \epsilon .0$	4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	DIMENSION STYLE IN/MM DRAWN BY K.SIMONSON DATE 2004/10/09 CHECKED BY R.BRUSSELL DATE 2004/10/09 APPROVED BY R.BRUSSELL DATE 2004/10/09	TITLE 1X4 SFP GANGED CAGE ASSY W/ 0.090 GASKET, PRESS FIT, F/ LIGHT PIPE MOLEX INCORPORATED MATERIAL NO. 747280411 DOCUMENT NO. SD-74728-411 SHEET NO. 2 OF 5		
		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		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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# PCB LAYOUT FOR SINGLE SIDE MOUNTING

CROSS-HATCHED AREA DENOTES  
COMPONENT AND TRACE KEEP-OUT  
(EXCEPT CHASSIS GROUND)



THIS AREA DENOTES  
COMPONENT KEEP-OUT  
(TRACES ALLOWED)

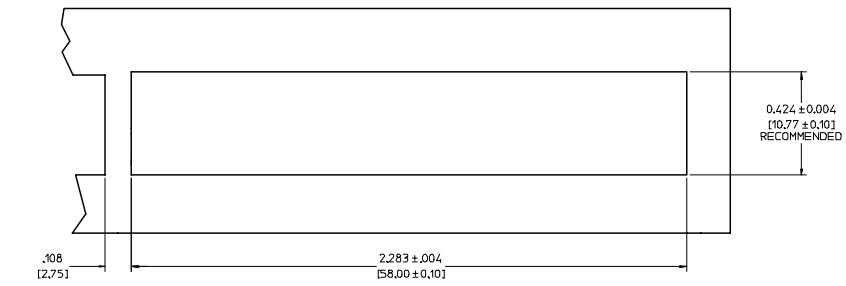
- NOTES:**
- PADS AND VIAS GO TO CHASSIS GROUND. (34 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE
  - PLATING OPTIONAL FOR THROUGH HOLES. (12 PLACES).
  - RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
  - HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 5.61 [14.25]

EC NO: USY2006-0225 DRW:K.SIMONSON06/01/24 CHK:D.BRUSSELL2006/01/24 APPR:BRUSSELL2006/01/25 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 6:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	0.0	mm INCH	DIMENSION STYLE IN/MM	TITLE 1X4 SFP GANGED CAGE ASSY W/ 0.090 GASKET, PRESS FIT, F/ LIGHT PIPE		
	0.1	4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± ---	DRAWN BY K.SIMONSON DATE 2004/10/09	MATERIAL NO. 747280411 DOCUMENT NO. SD-74728-411 SHEET NO. 3 OF 5		
	0.2	ANGULAR ± 1°	CHECKED BY BRUSSELL DATE 2004/10/09	MATERIAL NO. 747280411 DOCUMENT NO. SD-74728-411 SHEET NO. 3 OF 5		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY BRUSSELL DATE 2004/10/09	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

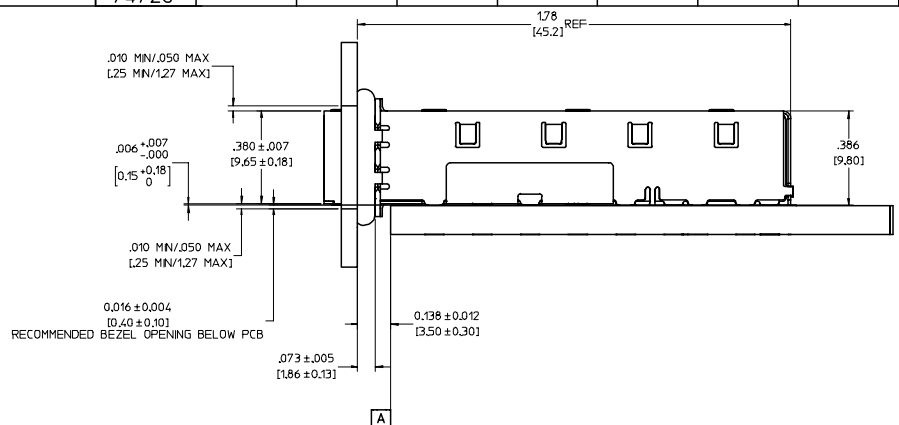
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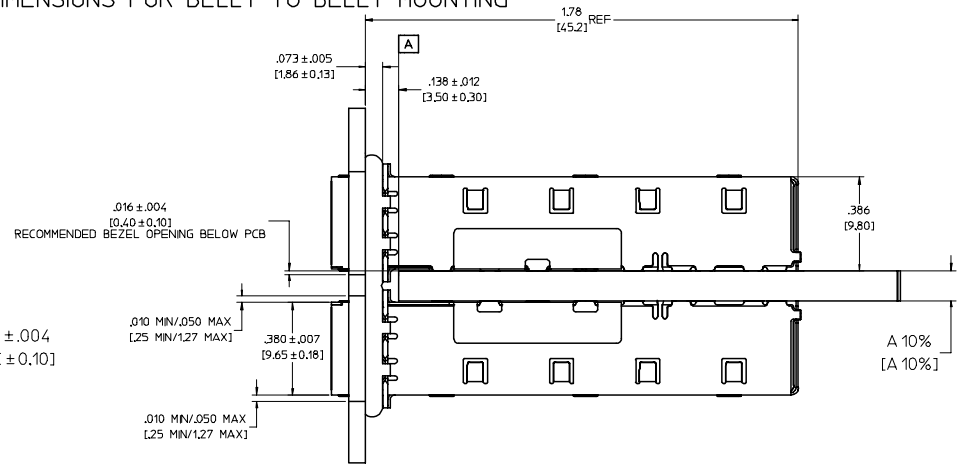
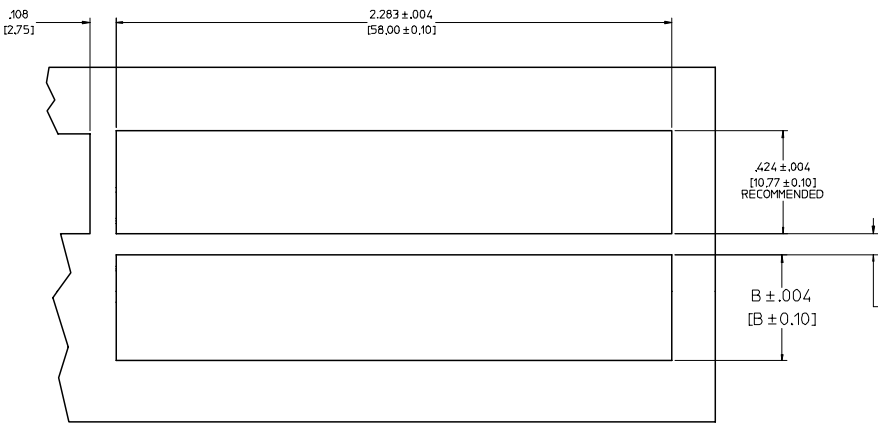
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BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



NOTE: FOR A GIVEN BOARD THICKNESS (A), DIMENSIONS (B) AND (C) ARE DIRECTLY AFFECTED.

USE RECOMMENDED DIMENSIONS AND TOLERANCES TO AID IN DEVELOPING BEZEL OPENING.

FOR EXAMPLE USING A BOARD THICKNESS OF 0.125" THE RECOMMENDED VALUES WOULD BE:

- A= .125/3.18 ± 10%
- B= .434/11.03 ± .004
- C= .088/2.23 ± .004

EC NO: USY2006-0225 DRW:KSIMONSO06/01/24 CHKD:BRUSSELL2006/01/24 APPR:BRUSSELL2006/01/25 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	0.0 0.1	4 PLACES ± --- ± ---	DIMENSION STYLE IN/MM DRAWN BY DATE KSIMONSO 2004/10/09	TITLE 1X4 SFP GANGED CAGE ASSY W/ 0.090 GASKET, PRESS FIT, F/ LIGHT PIPE MOLEX INCORPORATED		
		3 PLACES ± --- ± .005				
		2 PLACES ± 0.13 ± .01	APPROVED BY DATE BRUSSELL 2004/10/09	MATERIAL NO. 747280411	DOCUMENT NO. SD-74728-411	SHEET NO. 4 OF 5
1 PLACE ± 0.25 ± ---	ANGULAR ± 1 °	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				

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DATE	REV	CHANGES	COMMENTS
10/09/2004	A	INITIAL RELEASE	N/A
01/20/2006	B	ADDED PDB AND BEZEL LAYOUTS. UPDATED NOTES.	DOCUMENT CHANGE ONLY

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EC NO: USY2006-0225 DRW:KSIMONSO06/01/24 CHK:D:BRUSSELL2006/01/24 APPR:BRUSSELL2006/01/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY																								
	0 0	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .005</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .01</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .005	2 PLACES	± 0.13	± .01	1 PLACE	± 0.25	± ---	<table border="1"> <thead> <tr> <th colspan="2">DIMENSION STYLE</th> </tr> <tr> <th>IN/MM</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN BY KSIMONSO</td> <td>2004/10/09</td> </tr> <tr> <td>CHECKED BY BRUSSELL</td> <td>2004/10/09</td> </tr> <tr> <td>APPROVED BY BRUSSELL</td> <td>2004/10/09</td> </tr> </tbody> </table>	DIMENSION STYLE		IN/MM	DATE	DRAWN BY KSIMONSO	2004/10/09	CHECKED BY BRUSSELL	2004/10/09	APPROVED BY BRUSSELL	2004/10/09	TITLE 1X4 SFP GANGED CAGE ASSY W/ 0.090 GASKET, PRESS FIT, F/ LIGHT PIPE	
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 747280411		DOCUMENT NO. SD-74728-411	SHEET NO. 5 OF 5																									
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