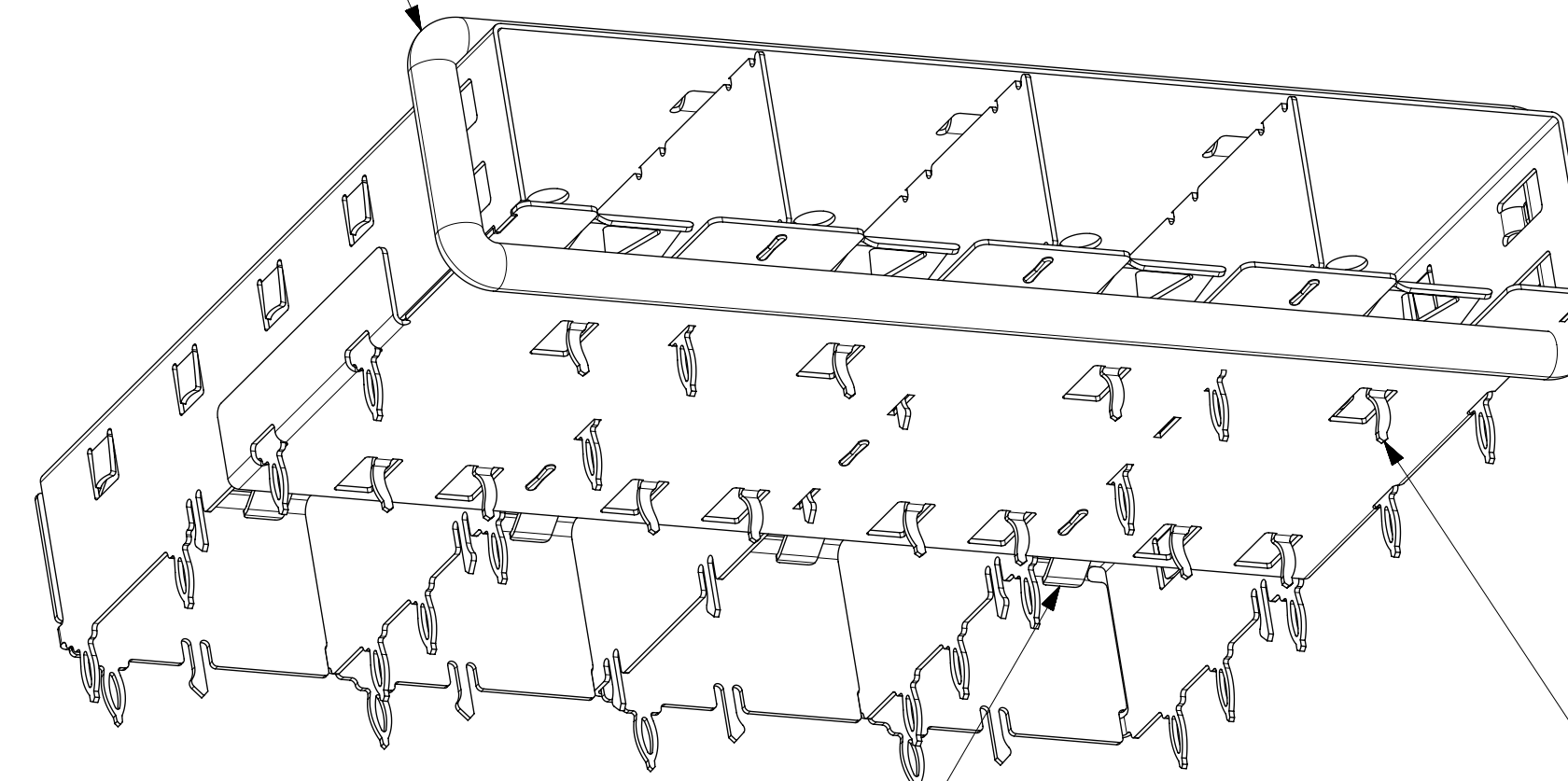


360° ELASTOMER GASKET
COMPLIES WITH (SFP) MSA
BOARD AND BEZEL LOCATIONS

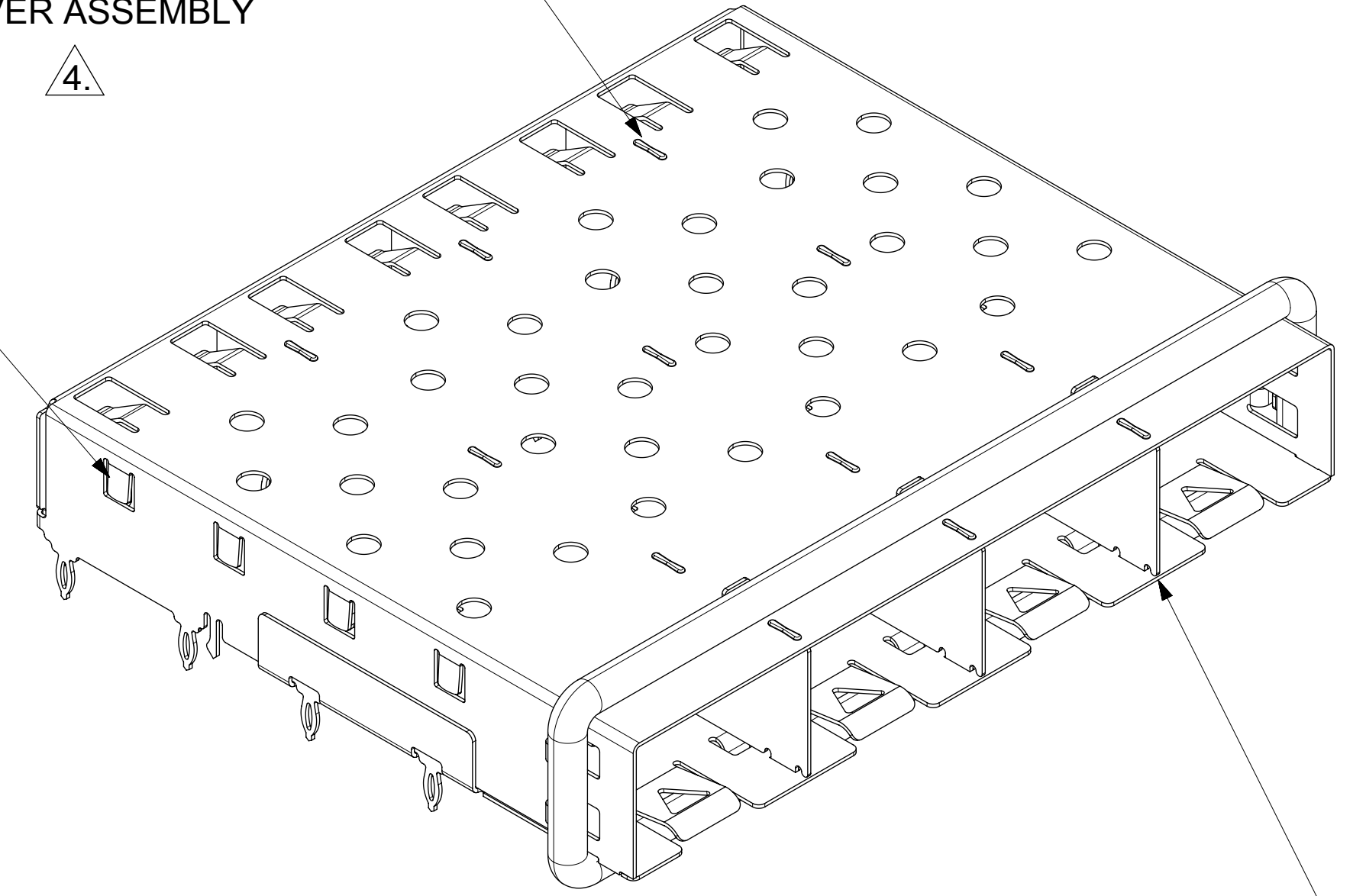


EMI FINGERS
CONTACT ADAPTER

12 UNDER BELLY EMI PINS

HOOKS USED WITH OPTIONAL
LIGHT PIPE COVER ASSEMBLY

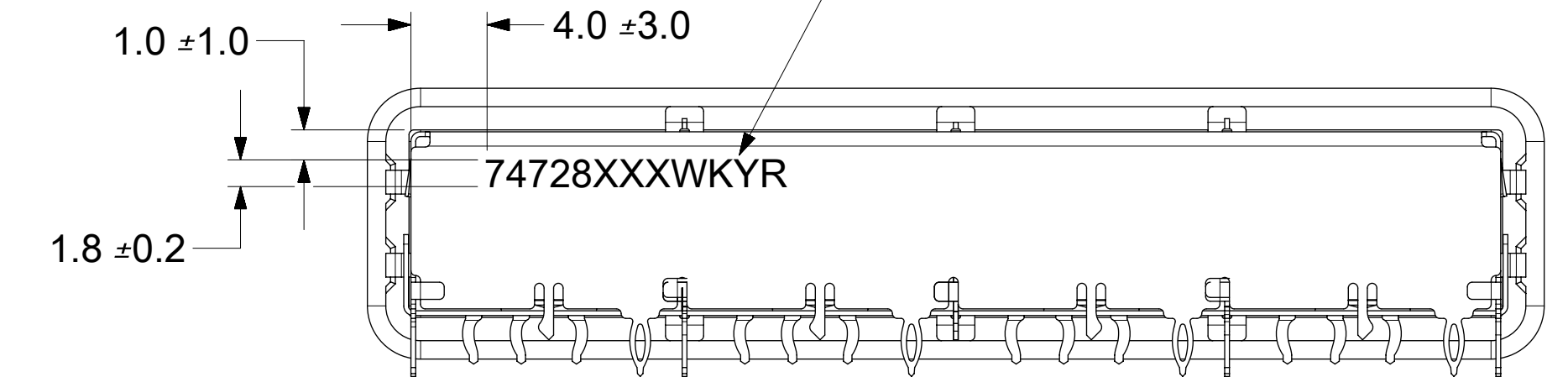
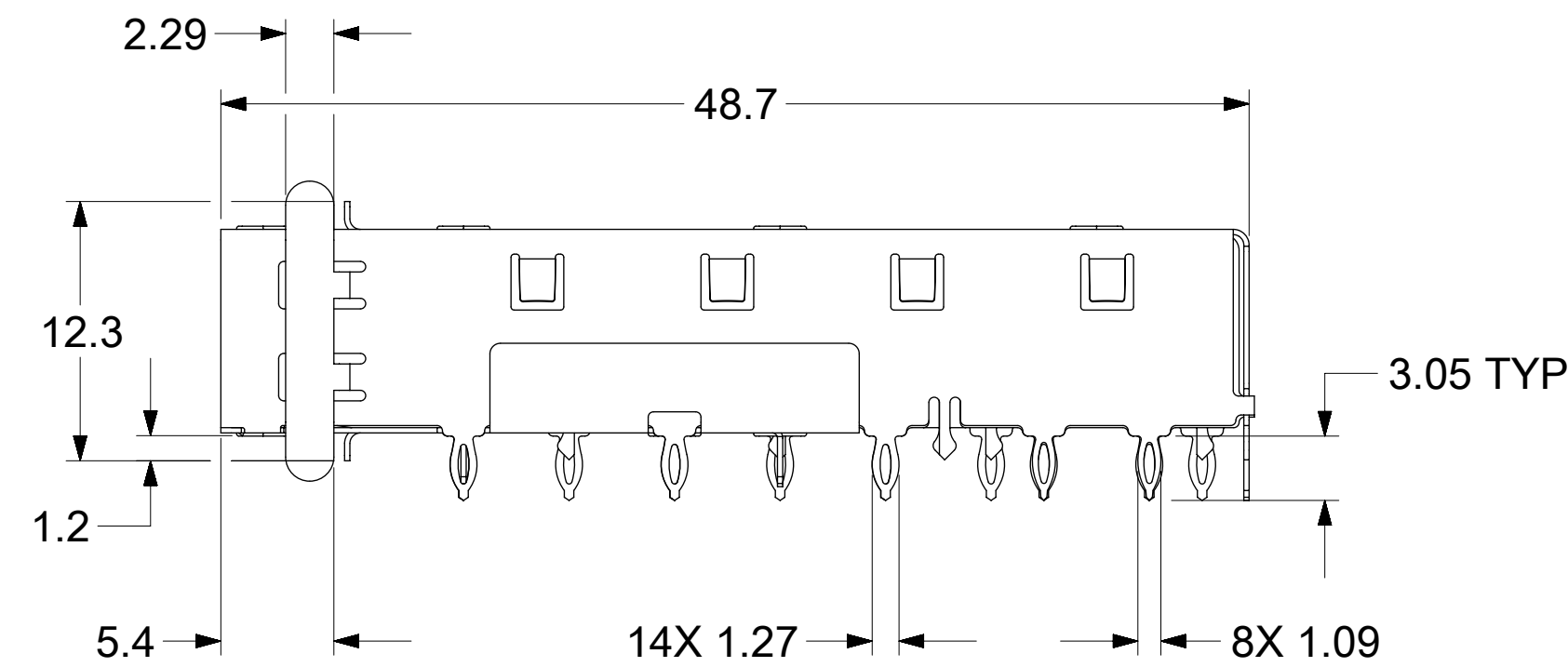
4.



INNER WALL TABS ARE COINED
OVER BASE AND COVER FOR RIGIDITY

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

PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON
BACK OF CAGE APPROXIMATELY AS SHOWN. SEE TABLE BELOW
FOR DATE CODE INFORMATION.



WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR)
YR	19, 20, 21 ETC.. (EXAMPLE: YEAR 2019= 19)

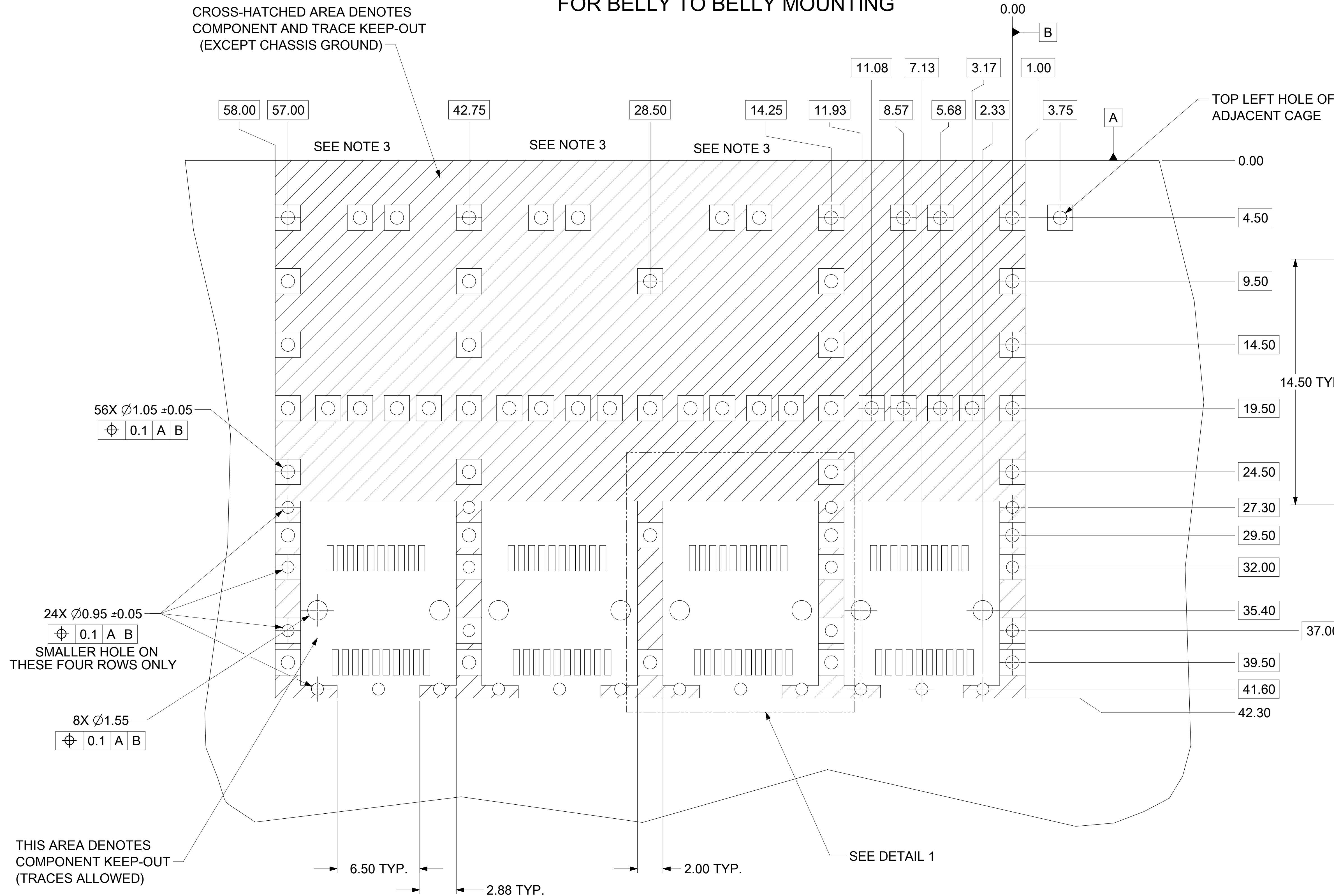
- NOTES:
- PRESS FIT LEGS 3.05 LONG-
1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
 - MATERIAL: COPPER ALLOY
PLATING: NONE.
NOTE: A PRE-PLATED NICKEL VERSION IS AVAILABLE.
REFER TO DOCUMENT SD-74728-420.
ELASTOMER GASKET: SILICON, COLOUR BLACK
 - 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.
 - NO RoHS EXEMPTIONS.

PART NUMBER	ELASTOMERIC GASKET FLAMMABILITY RATING
747280415	
747280424	EQUATE TO UL94 V-0

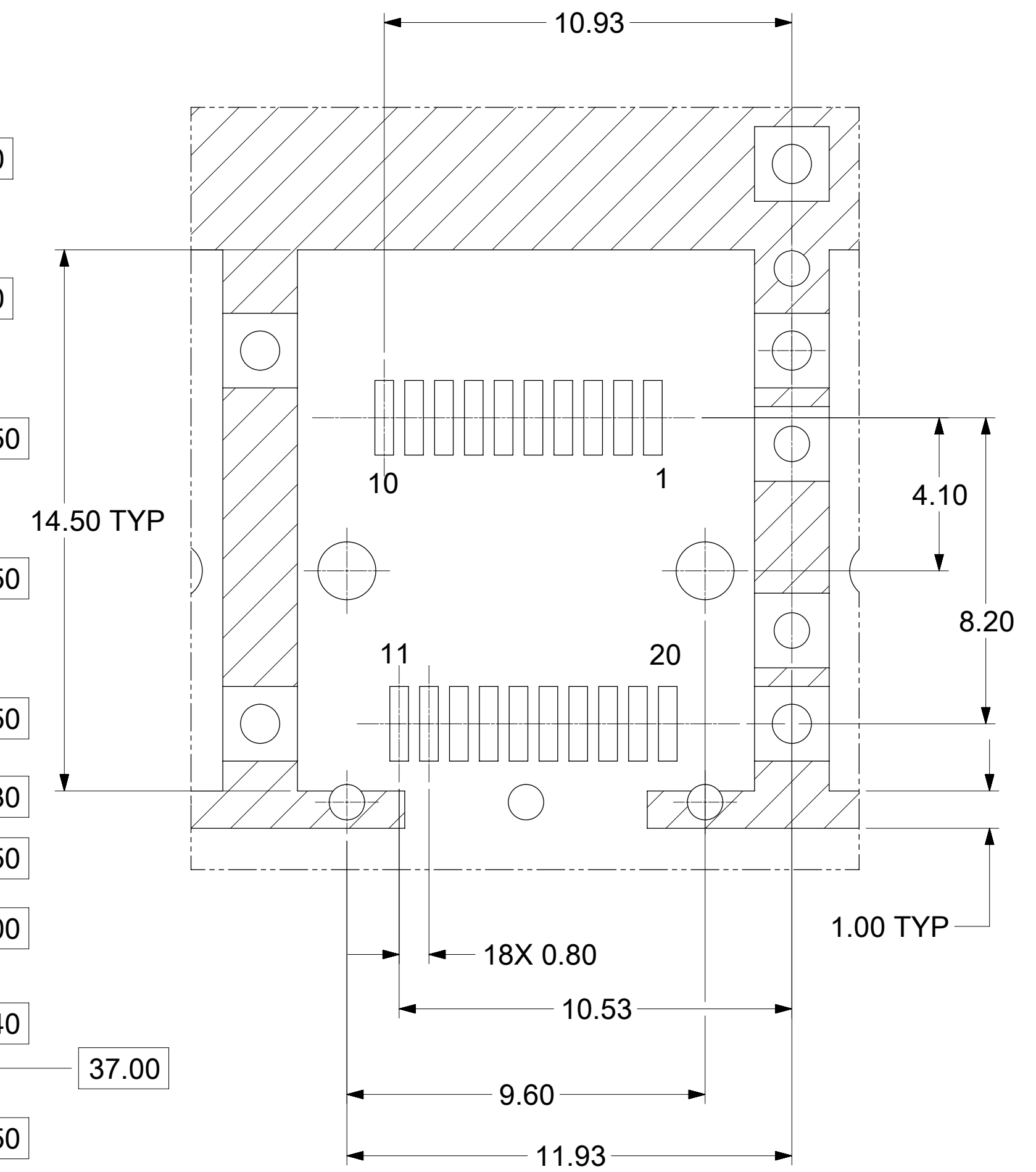
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
▽ = 0	mm	SCALE	3:1	EC NO: 629124		1X4 SFP GANGED CAGE	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DRWN: DKUMARG 2019/11/28		ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE	
▽ = 0	ANGULAR TOL ± 1.0°			CHK'D: TKUMARKC 2019/12/13		PRODUCT CUSTOMER DRAWING	
▽ = 0	4 PLACES ±			APPR: JCHIANG 2019/12/13		DOCUMENT NUMBER	
▽ = 0	3 PLACES ±			INITIAL REVISION:		DOC TYPE	
▽ = 0	2 PLACES ± 0.13			DRWN: PMAHADEVAPPA 2018/12/14		DOC PART	
▽ = 0	1 PLACE ± 0.25			APPR: RCHEN08 2019/01/15		REVISION	
▽ = 0	0 PLACES ±			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		747280415	
▽ = 0		THIRD ANGLE PROJECTION		DRAWING		PSD	
▽ = 0		D-SIZE		SERIES		ASY	
		74728		MATERIAL NUMBER		D1	
		SEE P/N TABLE		CUSTOMER		SHEET NUMBER	
						1 OF 5	

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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



HOST CONNECTOR DETAIL



DETAIL 1 SCALE 8:1

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 14.25

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC:
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▽ = 0	ANGULAR TOL ± 1.0°		DRWN: DKUMARG 2019/11/28
▽ = 0	4 PLACES	±	CHK'D: TKUMARKC 2019/12/13
▽ = 0	3 PLACES	±	APPR: JCHIANG 2019/12/13
▽ = 0	2 PLACES	± 0.13	INITIAL REVISION:
▽ = 0	1 PLACE	± 0.25	DRWN: PMAHADEVAPPA 2018/12/14
▽ = 0	0 PLACES	±	APPR: RCHEN08 2019/01/15
▽ = 0	DRAFT WHERE APPLICABLE	THIRD ANGLE PROJECTION	DRAWING
▽ = 0	MUST REMAIN WITHIN DIMENSIONS	⊕	D-SIZE
			SERIES
			74728
			MATERIAL NUMBER
			SEE P/N TABLE
			CUSTOMER
			SHEET NUMBER
			2 OF 5

molex

1X4 SFP GANGED CAGE ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

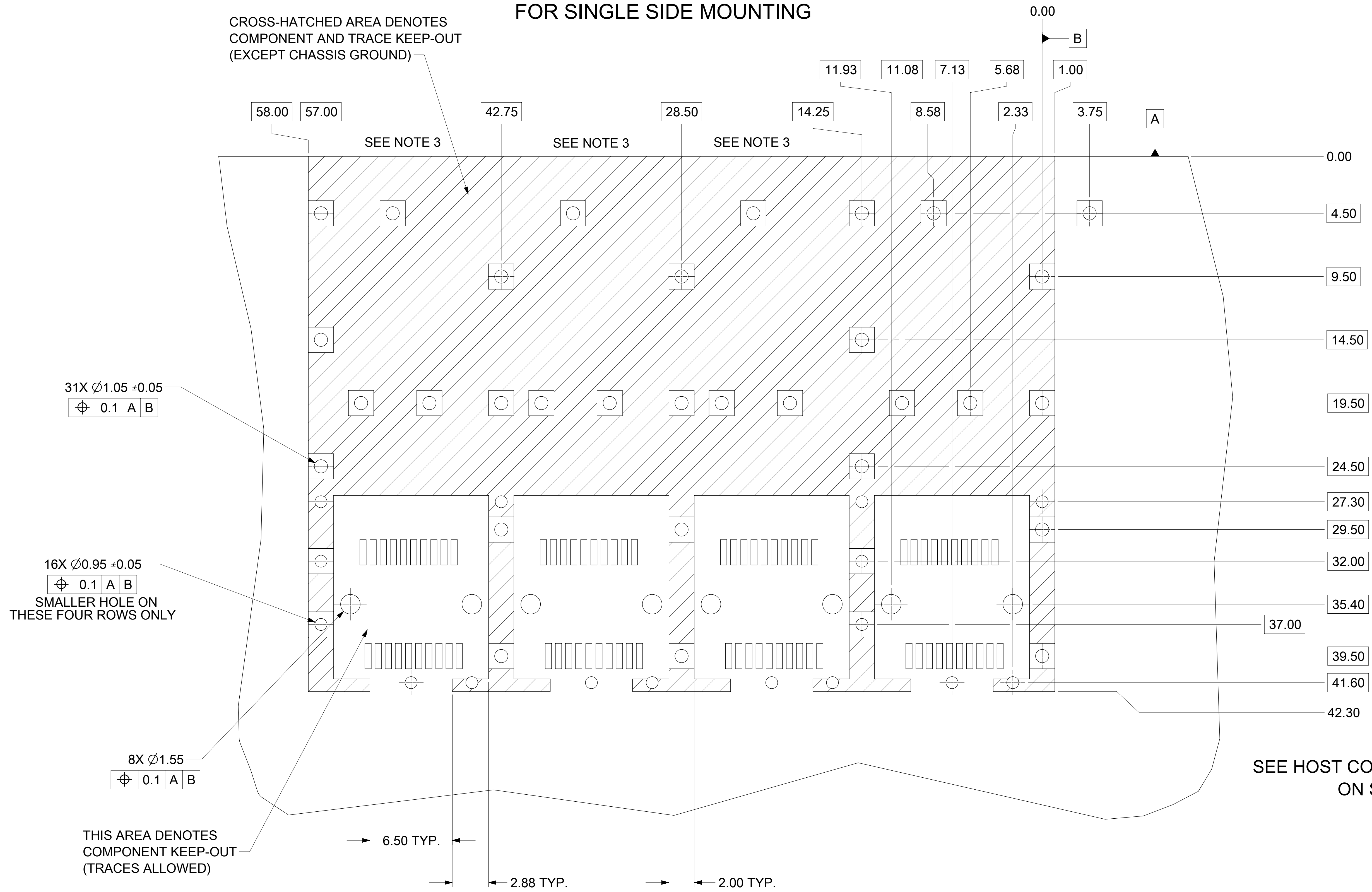
747280415 PSD ASY D1

MATERIAL NUMBER CUSTOMER SHEET NUMBER

SEE P/N TABLE 2 OF 5

PCB LAYOUT FOR SINGLE SIDE MOUNTING

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



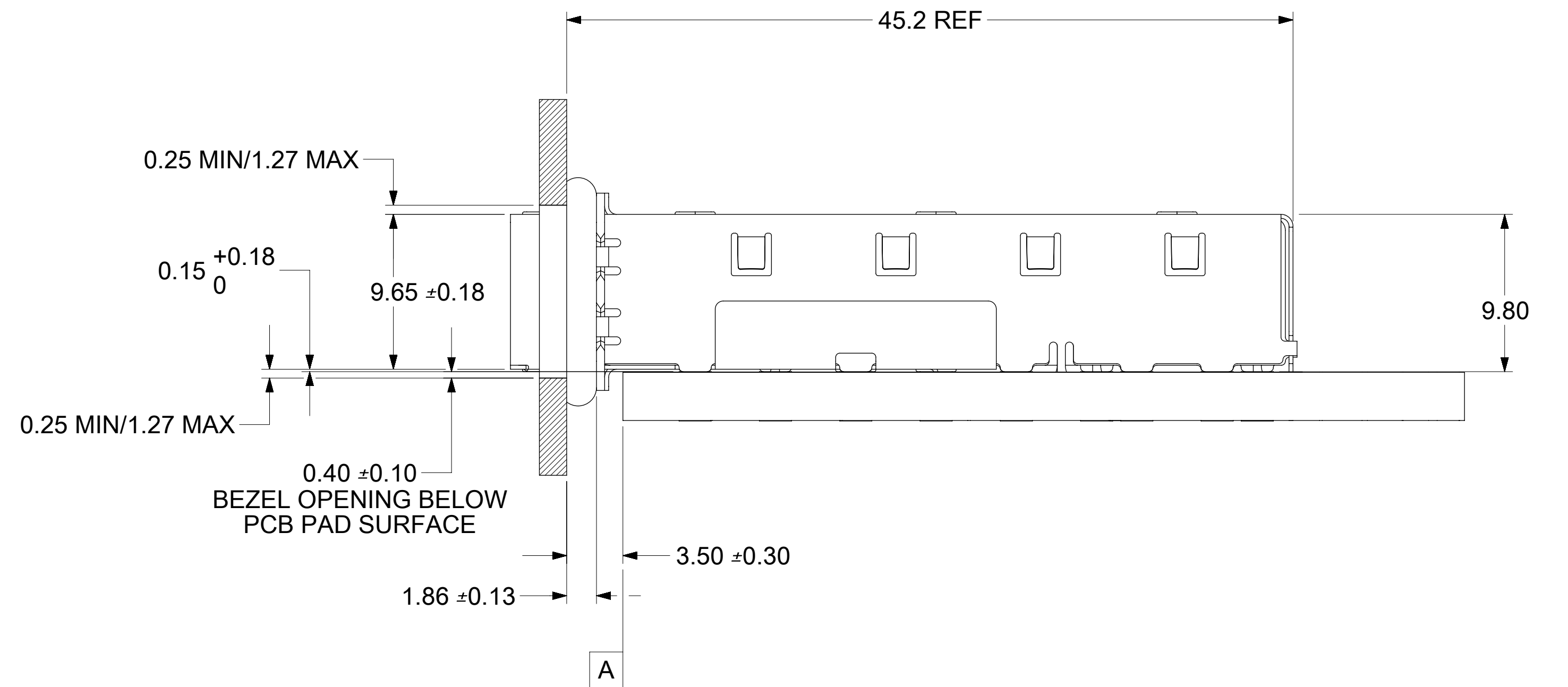
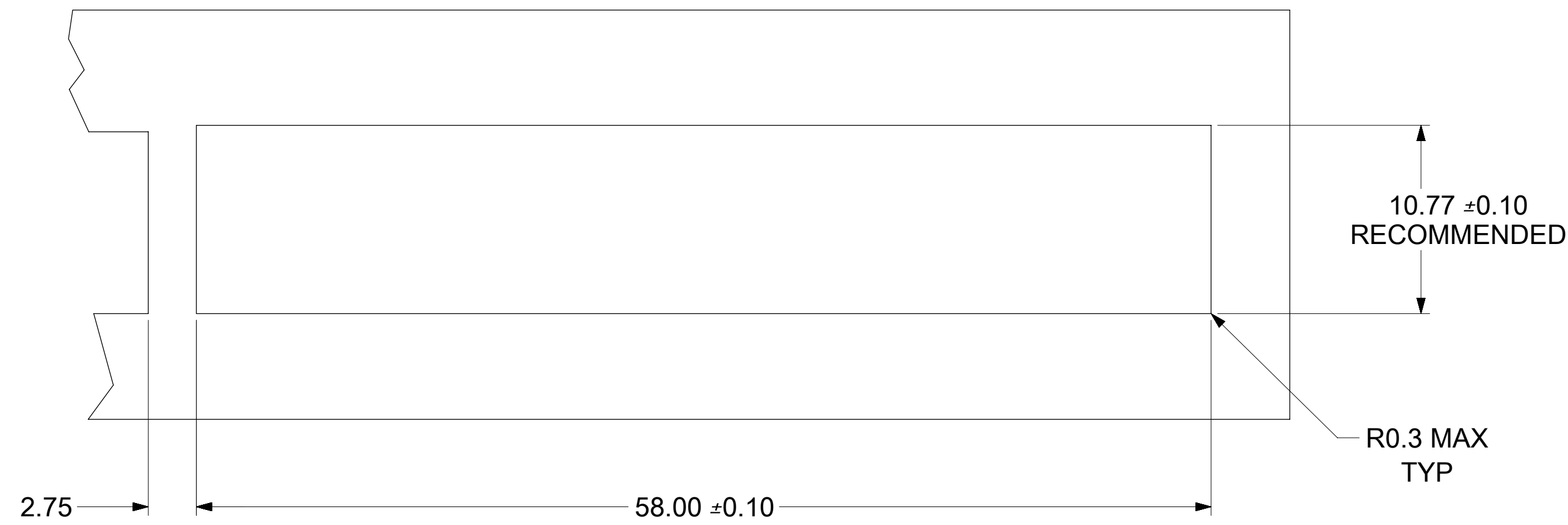
SEE HOST CONNECTOR DETAIL
ON SHEET 2

NOTES:

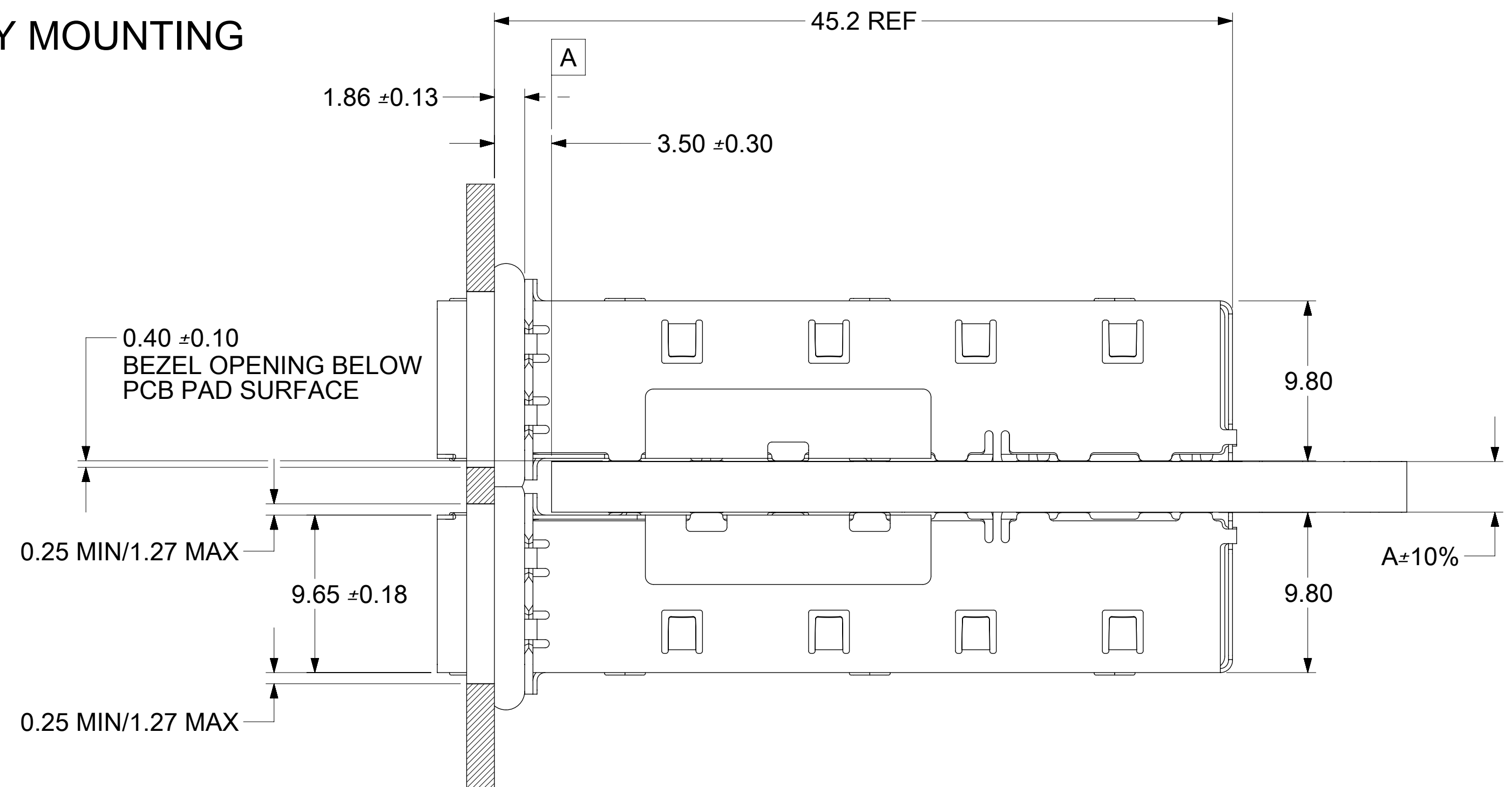
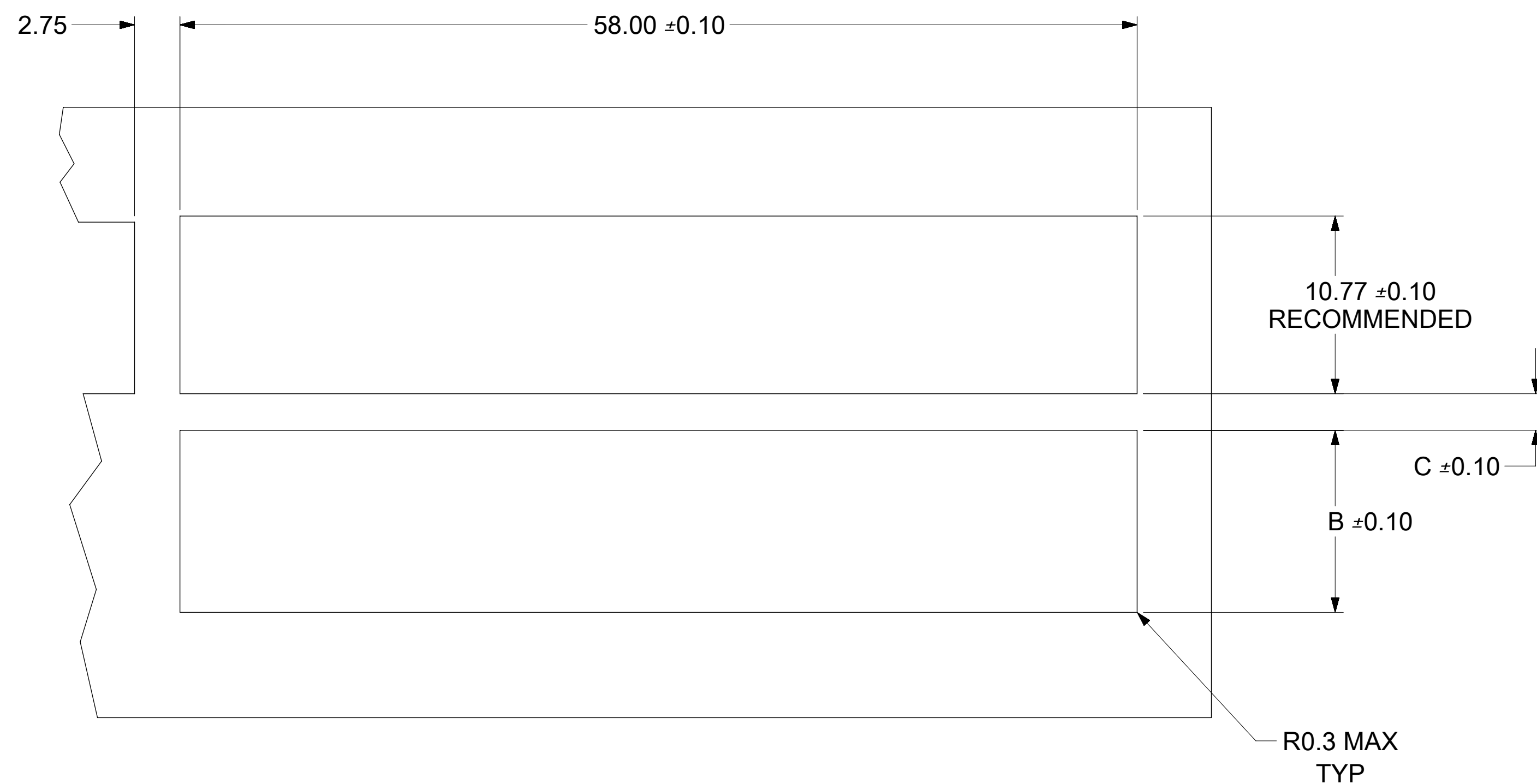
1. PADS AND VIAS GO TO CHASSIS GROUND, (34 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE
2. PLATING OPTIONAL FOR THROUGH HOLES, (12 PLACES).
3. RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS	SCALE	CURRENT REV DESC:								
▽ = 0	mm	6:1	<p style="margin: 0;">molex</p> <p style="margin: 0; text-align: center;">1X4 SFP GANGED CAGE ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE</p> <p style="margin: 0; text-align: center;">PRODUCT CUSTOMER DRAWING</p> <table style="width: 100%; font-size: 8px;"> <tr> <td style="width: 50%;">DOCUMENT NUMBER</td> <td style="width: 50%;">DOC TYPE</td> <td style="width: 10%;">DOC PART</td> <td style="width: 10%;">REVISION</td> </tr> <tr> <td style="text-align: center; font-weight: bold;">747280415</td> <td style="text-align: center;">PSD</td> <td style="text-align: center;">ASY</td> <td style="text-align: center;">D1</td> </tr> </table>	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	747280415	PSD	ASY	D1
DOCUMENT NUMBER	DOC TYPE	DOC PART		REVISION							
747280415	PSD	ASY		D1							
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)										
▽ = 0	ANGULAR TOL ± 1.0°										
▽ = 0	4 PLACES ±										
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▽ = 0	2 PLACES ± 0.13										
▽ = 0	1 PLACE ± 0.25										
▽ = 0	0 PLACES ±										
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION								
▽ = 0	DRAWING	SERIES	MATERIAL NUMBER								
	D-SIZE	74728	SEE P/N TABLE								
			CUSTOMER								
			SHEET NUMBER								
			3 OF 5								

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



NOTE:

1. FOR A GIVEN BOARD THICKNESS (A), DIMENSIONS (B) AND (C) ARE DIRECTLY AFFECTED.
2. USE RECOMMENDED DIMENSIONS AND TOLERANCES TO AID IN DEVELOPING BEZEL OPENING.
3. FOR EXAMPLE USING A BOARD THICKNESS OF 3.175 THE RECOMMENDED VALUES WOULD BE:

A= 3.18 ±10%
 B= 11.03 ± 0.10
 C= 2.23 ± 0.10

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DIMENSION UNITS	SCALE	CURRENT REV DESC:
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± 1.0°	EC NO: 629124
▽ = 0	4 PLACES	±	DRWN: DKUMARG 2019/11/28
▽ = 0	3 PLACES	±	CHK'D: TKUMARKC 2019/12/13
▽ = 0	2 PLACES	± 0.13	APPR: JCHIANG 2019/12/13
▽ = 0	1 PLACE	± 0.25	INITIAL REVISION:
▽ = 0	0 PLACES	±	DRWN: PMAHADEVAPPA 2018/12/14
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: RCHEN08 2019/01/15
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
		D-SIZE	74728
DOCUMENT NUMBER		CUSTOMER	SHEET NUMBER
747280415		SEE P/N TABLE	4 OF 5
DOC TYPE	DOC PART	REVISION	
PSD	ASY	D1	

molex

1X4 SFP GANGED CAGE
 ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 747280415
 DOC TYPE: PSD
 DOC PART: ASY
 REVISION: D1

REVISION HISTORY

DATE	REV	DESCRIPTION
08/17/2004	1	PRELIMINARY DOCUMENT.
10/09/2004	A	INITIAL RELEASE.
01/20/2006	B	ADDED PCB AND BEZEL LAYOUT. UPDATED NOTES.
05/09/2014	C	1. ADDED P/N 747280424. [SHT 1] 2. ADDED "MM 3D MODEL: EM-74728-0415" ON LEFT TOP CORNER. [SHT 1] 3. NOTE 5 CHANGED AS "NO RoHS EXEMPTIONS". [SHT 1] 4. REMOVE ALL DIMENSIONS IN INCH. [SHT 1 TO 4]
12/13/2018	D	1. REMASTERED SD-74728-415REV_C TO 747280415 PSD ASY REV_D IN NX/ECTR. 2. SHEET 1: E3: VIEW ADDED FOR DATE CODE REPRESENTATION.
04/12/2019	D1	SHEET 01 : B18: ADDED ELASTOMER GASKET: SILICON COLOUR BLACK.

SYMBOLS						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					
DIMENSION UNITS			SCALE			CURRENT REV DESC: EC NO: 629124 DRWN: DKUMARG 2019/11/28 CHK'D: TKUMARKC 2019/12/13 APPR: JCHIANG 2019/12/13 INITIAL REVISION: DRWN: PMAHADEVAPPA 2018/12/14 APPR: RCHEN08 2019/01/15																					
mm			1:1																								
GENERAL TOLERANCES (UNLESS SPECIFIED)						<div style="display: flex; align-items: center; justify-content: center;"> </div> <p style="margin: 5px 0;">1X4 SFP GANGED CAGE ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE</p> <p style="margin: 5px 0;">PRODUCT CUSTOMER DRAWING</p> <div style="display: flex; justify-content: space-between;"> <table border="1" style="border-collapse: collapse; font-size: 8px;"> <tr><td colspan="2" style="text-align: center;">DOCUMENT NUMBER</td><td style="text-align: center;">DOC TYPE</td><td style="text-align: center;">DOC PART</td><td style="text-align: center;">REVISION</td></tr> <tr><td colspan="2" style="text-align: center; font-size: 12px;">747280415</td><td style="text-align: center;">PSD</td><td style="text-align: center;">ASY</td><td style="text-align: center;">D1</td></tr> </table> <table border="1" style="border-collapse: collapse; font-size: 8px;"> <tr><td style="text-align: center;">MATERIAL NUMBER</td><td style="text-align: center;">CUSTOMER</td><td style="text-align: center;">SHEET NUMBER</td></tr> <tr><td style="text-align: center;">SEE P/N TABLE</td><td></td><td style="text-align: center;">5 OF 5</td></tr> </table> </div>						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	747280415		PSD	ASY	D1	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	SEE P/N TABLE		5 OF 5
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION																							
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SEE P/N TABLE		5 OF 5																									
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D-SIZE			74728									SEE P/N TABLE			5 OF 5												