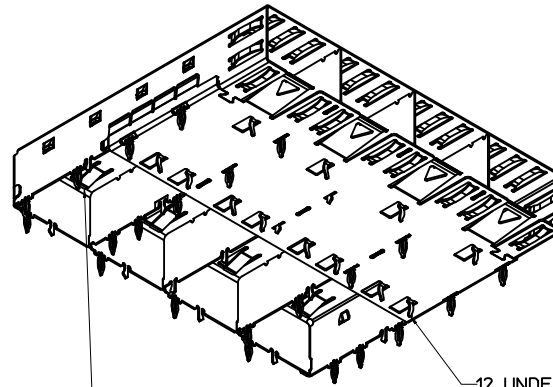
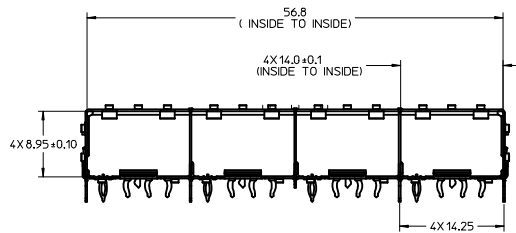
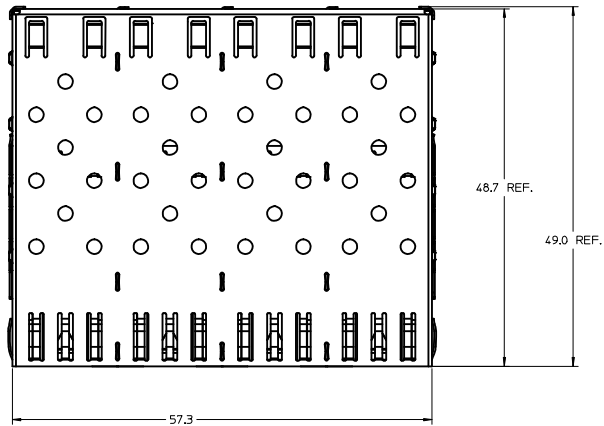
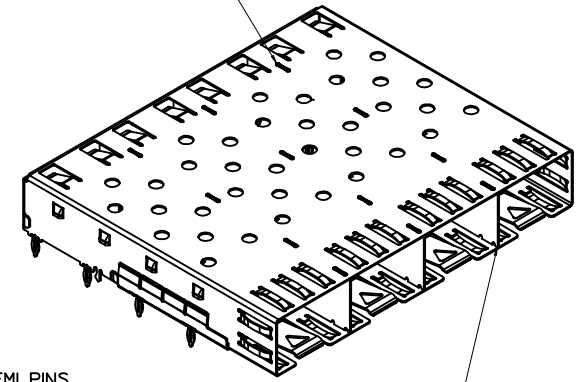


MM 3D MODEL: TM-73927-0470

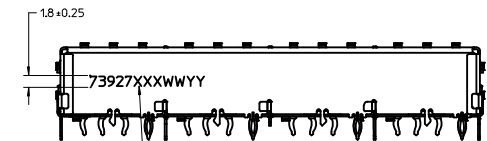
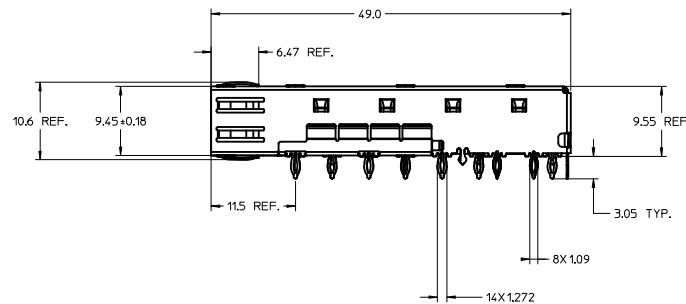


EMI FINGERS CONTACT ADAPTER

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 COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.
SEE TABLE BELOW FOR DATE CODE INFORMATION.

WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	15, 16, 17 ETC. EXAMPLE: YEAR 2015 = 15

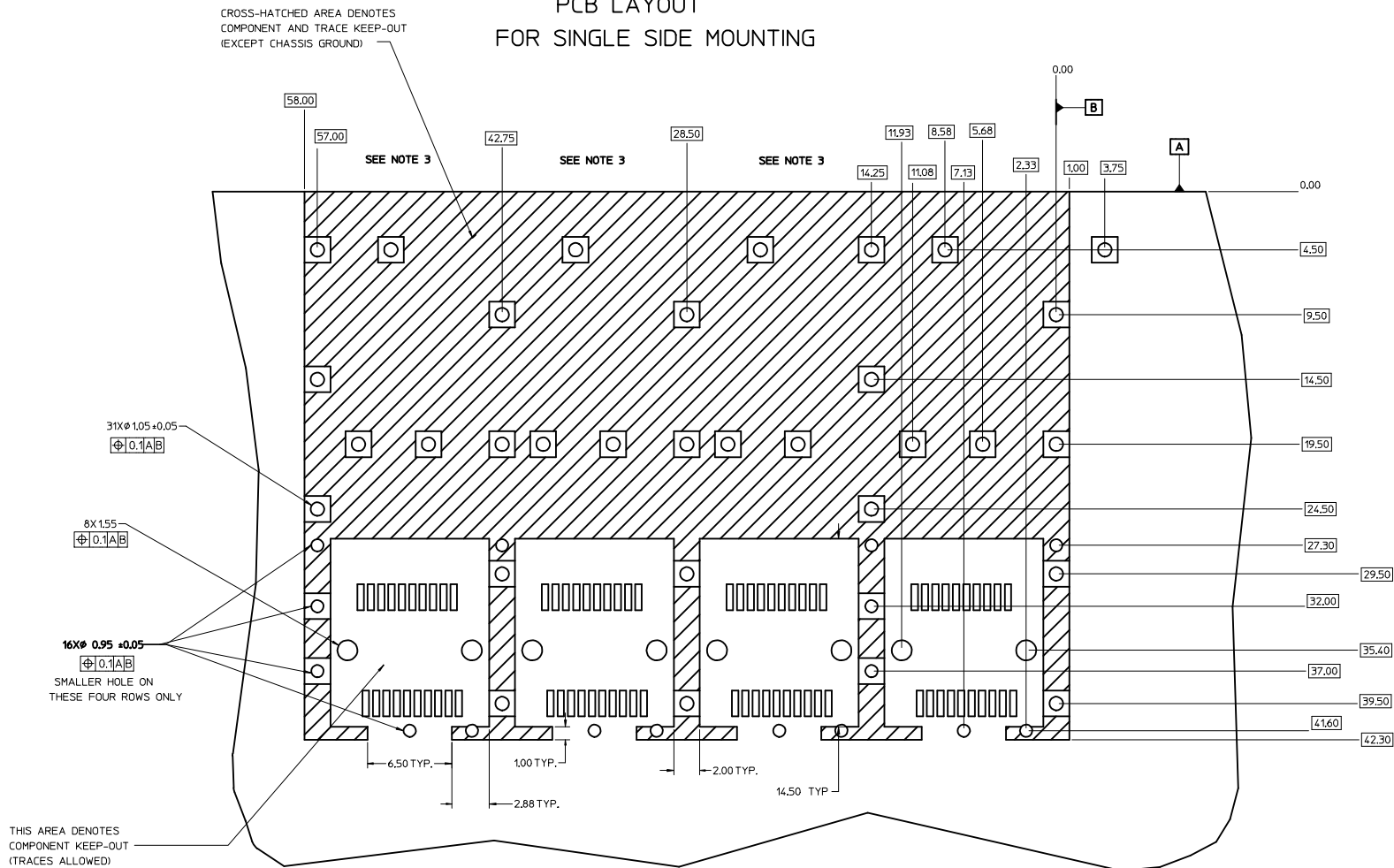
NOTES:

- PRESS FIT LEGS 3.05 MM LONG
1.57 MM MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
2.25 MM MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
- MATERIAL: STAINLESS STEEL
- NO RoHS EXEMPTIONS

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: CPG2016-1266		DRAWN BY THSU		DATE 2015/06/23		MM ONLY		3:1		METRIC		1X4 SFP GAGED CAGE PRESS FIT 3.05MM STAINLESS STEEL	
CHKD: CHYK		APPROVED BY RCHEN08		DATE 2015/09/22		ANGULAR ± 1 °		MATERIAL NO. 739270470		DOCUMENT NO. SD-73927-0470		SHEET NO. 1 OF 5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		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 SINGLE SIDE MOUNTING



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 MM
5. CONNECTOR PAD LAYOUT PER SFP MSA. WILL ACCOMODATE MOLEX
CONNECTOR SERIES 74441 OR EQUIVALENT.

SEE REVISION TABLE EC NO: CPG2016-1266 DRAWN BY: THSU CHKD: RCHEN08 APPROVED: RCHEN08 DATE: 2015/06/23 DATE: 2015/09/22	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES $\pm$ 0.13 $\pm$ --- 1 PLACE $\pm$ 0.25 $\pm$ --- 0 PLACE $\pm$ $\pm$ --- ANGULAR $\pm$ 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: THSU CHECKED BY: --- DATE: 2015/06/23 DATE: --- APPROVED BY: RCHEN08 DATE: 2015/09/22	SCALE 6:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 1X4 SFP GAGED CAGE PRESS FIT 3.05MM STAINLESS STEEL molex	MATERIAL NO. 739270470 DOCUMENT NO. SD-73927-0470	SHEET NO. 2 OF 5

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

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

HOST CONNECTOR DETAIL

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

TOP LEFT HOLE OF
ADJACENT CAGE

Detail1
SCALE 8:1

56X $\phi 1.05 \pm 0.05$
 $\phi 0.1[A/B]$

8X $\phi 1.55$
 $\phi 0.1[A/B]$

24X $\phi 0.95 \pm 0.05$
 $\phi 0.1[A/B]$

SMALLER HOLE ON
THESE FOUR ROWS ONLY

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

NOTES:

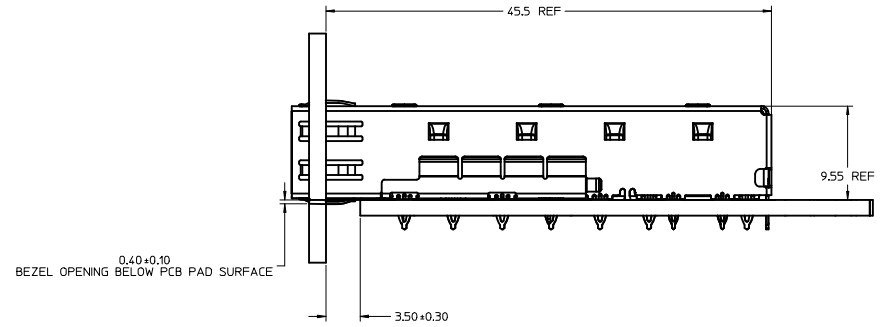
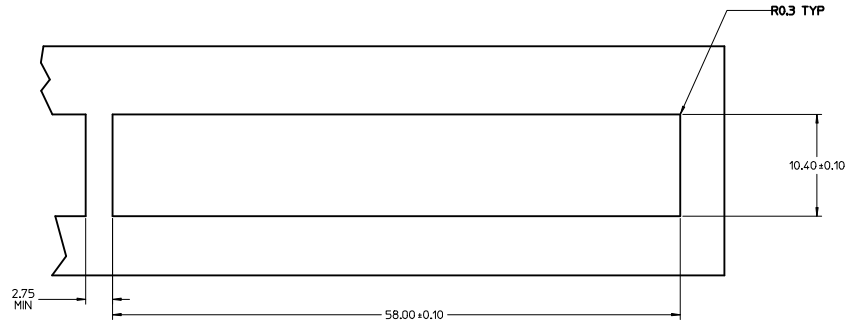
- PADS AND VIAS GO TO CHASSIS GROUND, (64 PLACES).
RECOMMENDED PADS TO BE 2mm SQUARE
- PLATING OPTIONAL FOR THROUGH HOLES, (16 PLACES).
- RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
- HOLE PATTERN REPEATS FOR EACH PORT.
SPACING BETWEEN PORTS IS 14.25 MM
- CONNECTOR PAD LAYOUT PER SFP MSA. WILL ACCOMMODATE MOLEX
CONNECTOR SERIES 74441 OR EQUIVALENT.

SEE Detail1

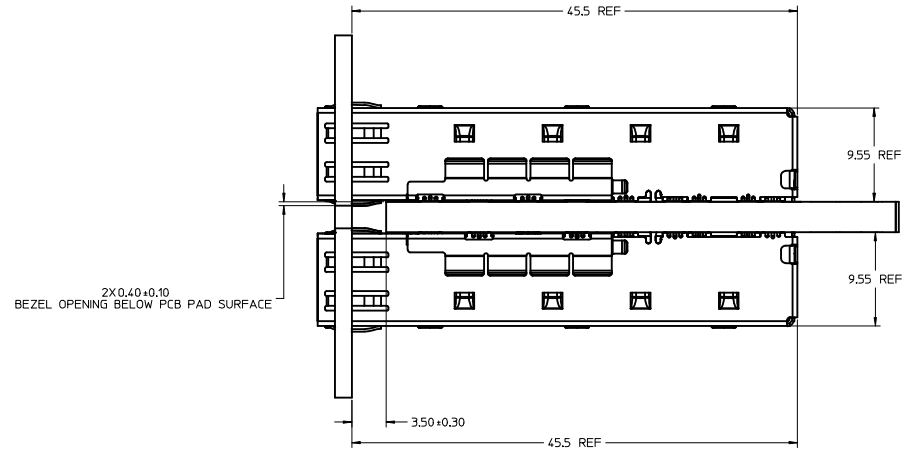
SEE REVISION TABLE EC NO: CPG2016-1266 DRAWN THSU CHKD: APPR: RCHEN08 REV A	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES ± 0.13 $\pm$ --- 1 PLACE ± 0.25 $\pm$ --- 0 PLACE $\pm$ $\pm$ --- ANGULAR $\pm 1^\circ$ DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY THSU DATE 2015/06/23 CHECKED BY DATE APPROVED BY RCHEN08 DATE 2015/09/22 MATERIAL NO. 739270470 SIZE D	SCALE 6:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 1X4 SFP GAGED CAGE PRESS FIT 3.05MM STAINLESS STEEL molex	DOCUMENT NO. SD-73927-0470	SHEET NO. 3 OF 5

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

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



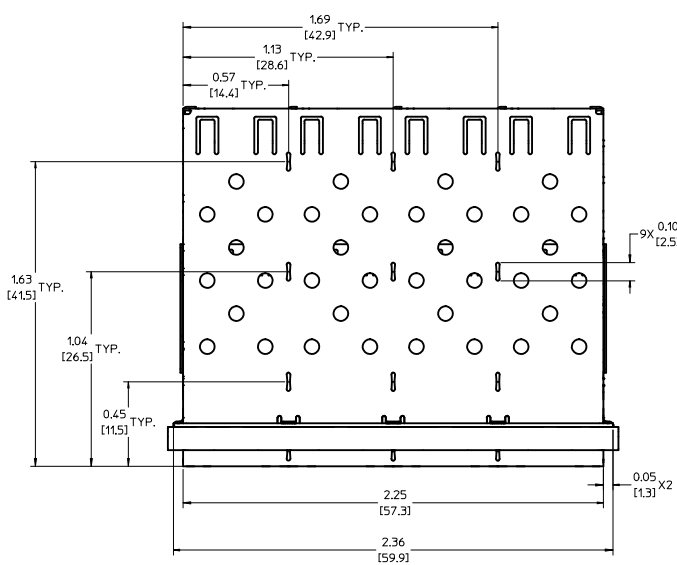
BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



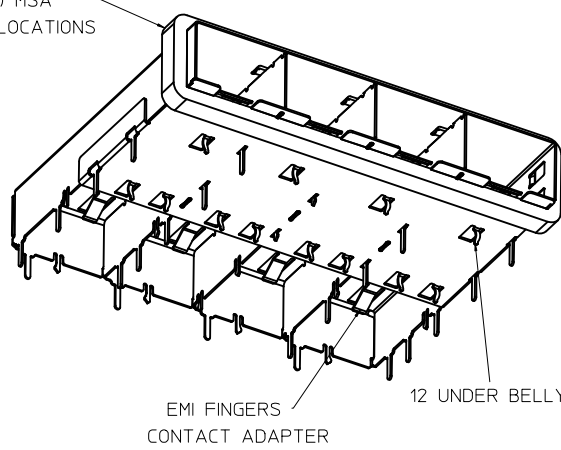
NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN BEZEL OPENING LOCATION

SEE REVISION TABLE EC NO: CPG2016-1266 DRAWN BY: THSU CHECKED BY: RCHEN08 APPROVED BY: RCHEN08 DATE: 2015/06/23 DATE: 2015/09/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
				MM ONLY		4:1		METRIC			
				DRAWN BY THSU		DATE 2015/06/23		TITLE		1X4 SFP GAGED CAGE PRESS FIT 3.05MM STAINLESS STEEL	
				CHECKED BY RCHEN08		DATE 2015/09/22				molex	
				APPROVED BY RCHEN08		DATE 2015/09/22				DOCUMENT NO. SD-73927-0470	
A	DESCRIPTION	ANGULAR $\pm 1^\circ$		MATERIAL NO. 739270470		SHEET NO. 4 OF 5		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D							

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

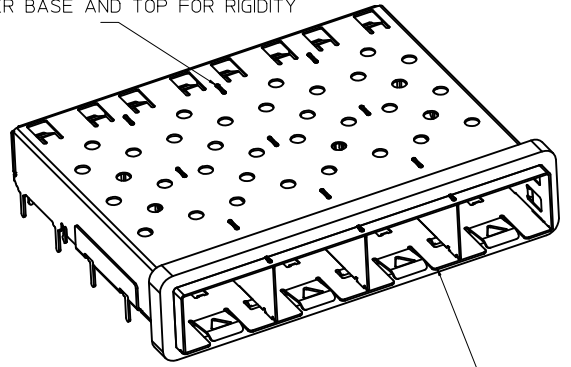


360° SOFT EMI BEZEL GASKET COMPLIES WITH (SFP) MSA BOARD AND BEZEL LOCATIONS



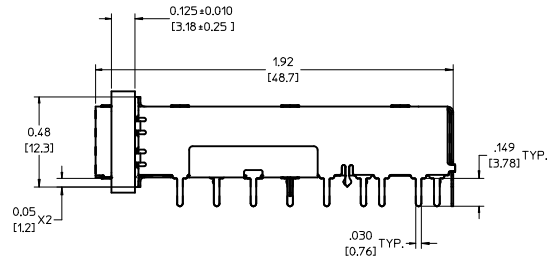
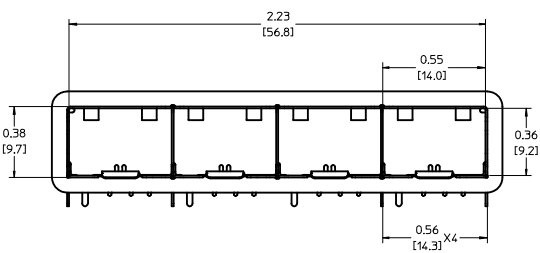
EMI FINGERS
CONTACT ADAPTER

INNER WALL TABS ARE COINED OVER BASE AND TOP FOR RIGIDITY



12 UNDER BELLY EMI PINS

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



NOTES:

1. SOLDER POSTS 0.149" LONG.
2. MATERIAL: COPPER ALLOY
PLATING: NONE

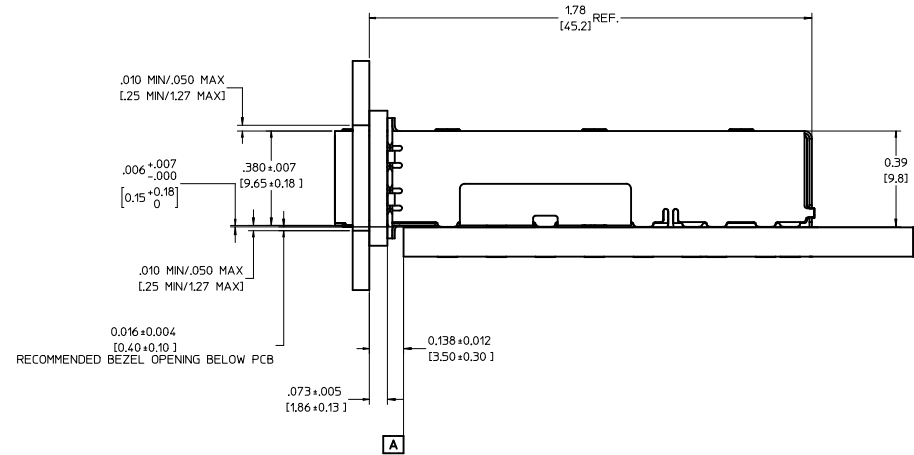
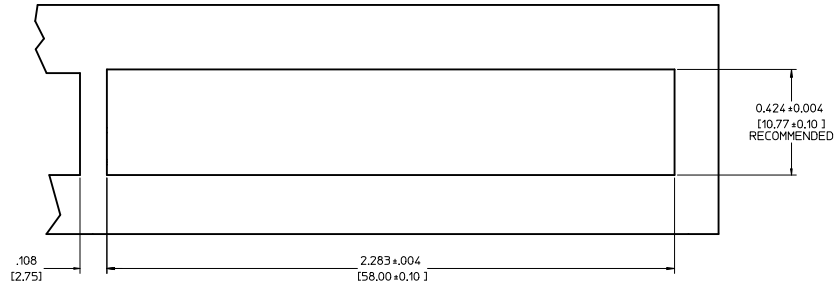
NOTE: A NICKEL PLATED VERSION OF THIS ASSEMBLY IS AVAILABLE.
REFER TO DOCUMENT SD-74728-421.

3. REFERENCE DOCUMENTS:
PRODUCT SPECIFICATION: PS-74728-000
COSMETIC SPECIFICATIONS: WI-HP-7-2774 AND WI-HPA-7-0093
4. THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN
ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC).

ENTER DESCRIPTION EC NO: USY2011-0270 DRAWN BY: INSK CHKD: ANOTA APPR: KJANOTA REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
		mm		INCH		DRAWN BY KLLOYD	DATE 2003/03/05		TITLE 1X4 SFP GANGED CAGE ASSEMBLY, SOLDER POSTS	
		4 PLACES ± ---		± ---		CHECKED BY MMISKIN	DATE 2003/03/05		MOLEX INCORPORATED	
		3 PLACES ± ---		± .005		APPROVED BY KJANOTA	DATE 2010/10/21			
		2 PLACES ± 0.13		± .01		MATERIAL NO. 739270402				DOCUMENT NO. SD-73927-402
		1 PLACE ± 0.25		± ---		SHEET NO. 1 OF 4				
		ANGULAR ± 1 °				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

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

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



ENTER DESCRIPTION EC NO: USY2011-0270 DRAWN BY: KLSKI CHKD: JANO APPR: KJANO REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY KLLOYD	DATE 2003/03/05	TITLE 1X4 SFP GANGED CAGE ASSEMBLY, SOLDER POSTS				
		4 PLACES	± ---	± ---	CHECKED BY MMISKIN	DATE 2003/03/05					
		3 PLACES	± ---	± .005	APPROVED BY KJANO	DATE 2010/10/21					
		2 PLACES	± 0.13	± .01	MOLEX INCORPORATED						
		1 PLACE	± 0.25	± ---							
		ANGULAR ± 1 °		MATERIAL NO. 739270402		DOCUMENT NO. SD-73927-402		SHEET NO. 3 OF 4			
		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					

2019181716151413121110987654321

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DATE MONTH/DAY/YEAR	REV	CHANGES	COMMENTS
9/12/02	A	INITIAL RELEASE	N/A
5/20/03	B	MOVED PCB LAYOUT AND BEZEL DETAILS TO DOCUMENT SD-73927-400	N/A
3/25/04	C	UDATED VIEWS FOR COVER MODIFICATIONS	N/A
10/12/04	D	UDATED VIEWS	DOCUMENT CHANGE ONLY
10/07/05	E	ADD PCB AND BEZEL LAYOUT. UPDATED NOTES.	DOCUMENT CHANGE ONLY
10/19/10	F	COINED INNER WALL TAB LENGTH FROM 0.10 INCH [2.5 MM] +/- .01 INCH [0.25 MM] TO MAXIMUM	DOCUMENT CHANGE ONLY

ENTER DESCRIPTION
EC NO: USY2011-0270
TDRWN:RM/KL INSK 2010/10/19
CHKD:
APPR:K JANOTA 2010/10/21
REV

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .005
2 PLACES ± 0.13 ± .01
1 PLACE ± 0.25 ± ---
ANGULAR ± 1 °
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

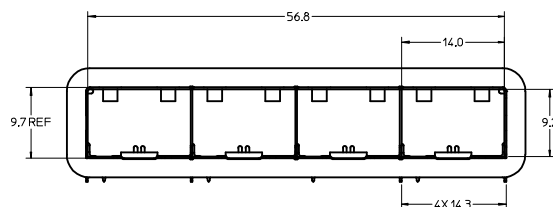
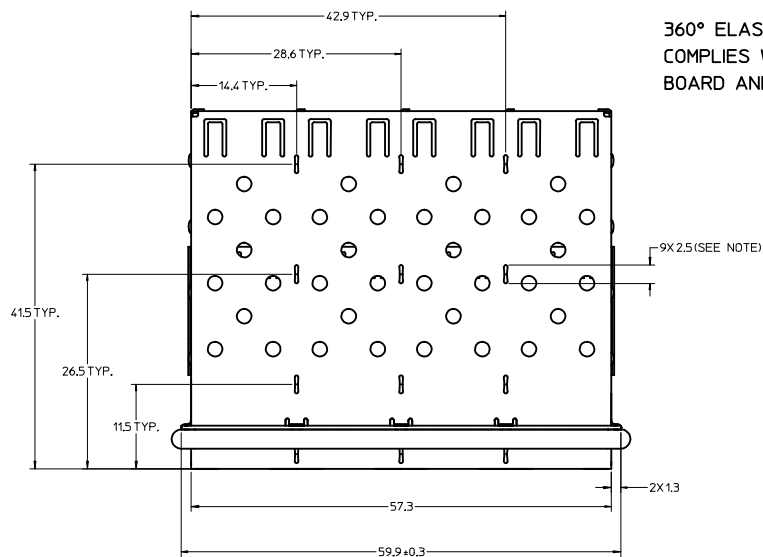
DIMENSION STYLE
IN/MM
DRAWN BY DATE
KLLOYD 2003/03/05
CHECKED BY DATE
MMISKIN 2003/03/05
APPROVED BY DATE
KJANOTA 2010/10/21
MATERIAL NO.
739270402
SIZE D

DIMENSION STYLE
IN/MM
SCALE 1:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
TITLE
1X4 SFP GANGED
CAGE ASSEMBLY,
SOLDER POSTS
MOLEX INCORPORATED
DOCUMENT NO.
SD-73927-402
SHEET NO.
4 OF 4

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

Id: frame_ID_P_AM_T
Rev. D 2004/06/28

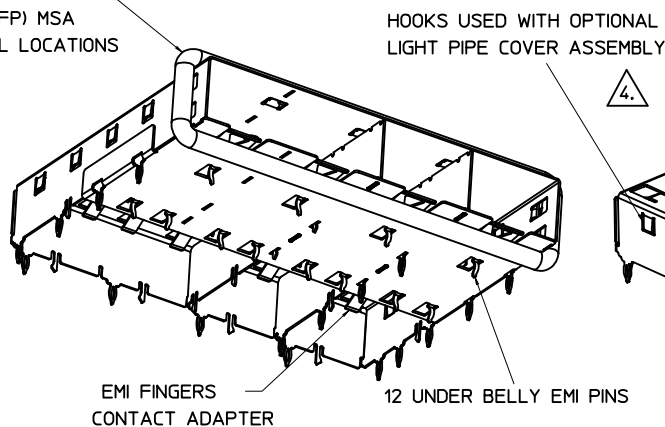
MM 3D MODEL:EM-74728-0415



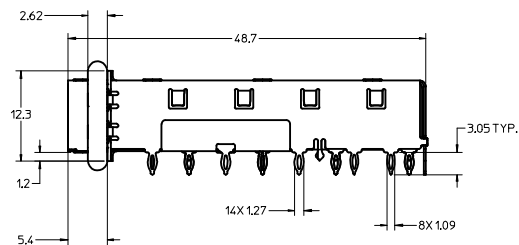
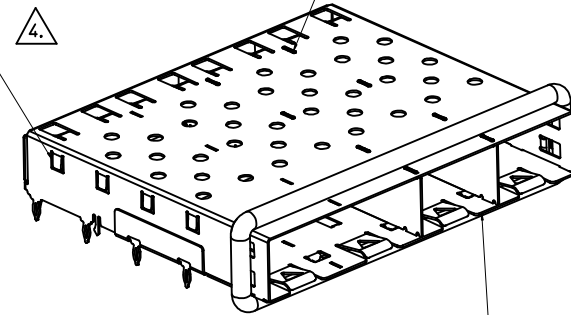
NOTES:

- 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.
- 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.

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



INNER WALL TABS ARE COINED
OVER BASE AND COVER FOR RIGIDITY



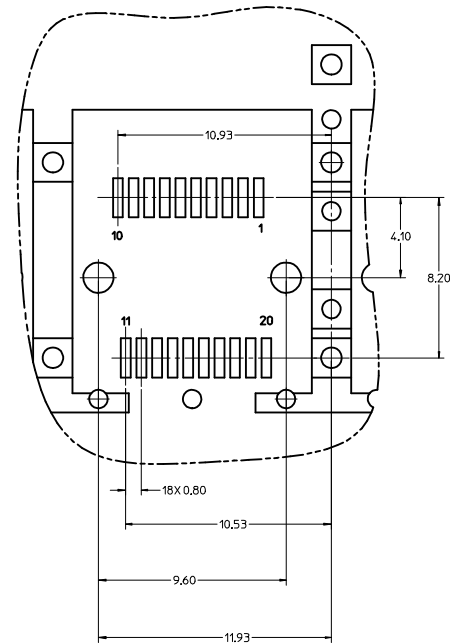
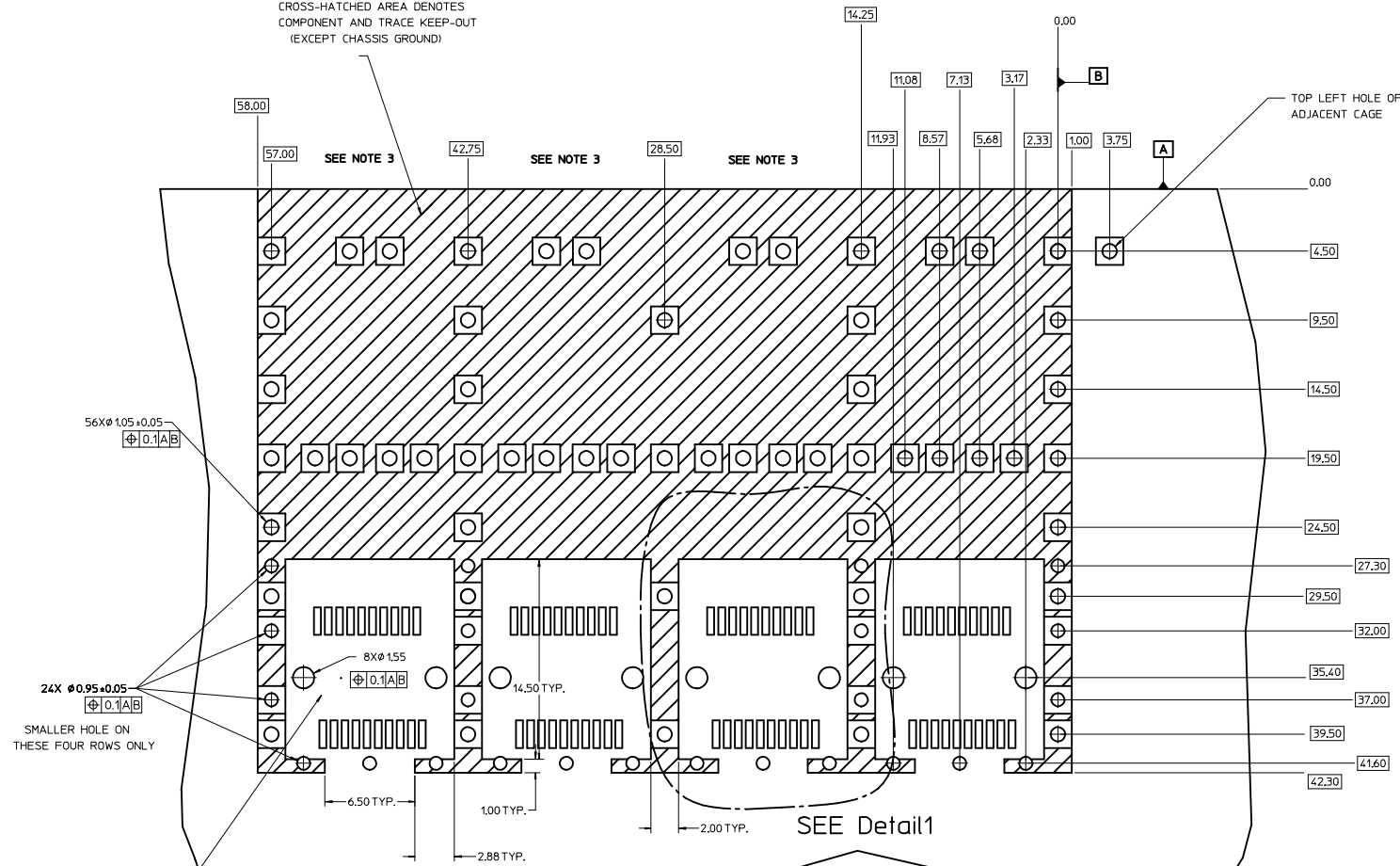
PART NUMBER	ELASTOMERIC GASKET FLAMMABILITY RATING
747280415	
747280424	EQUATE TO UL94 V-0

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: CPG2014-3390		DRAWN BY: DRWNL120		DATE: 2014/05/09		MM ONLY		3:1		METRIC		THIRD ANGLE PROJECTION	
CHXKORCHEN08		CHECKED BY: CHXKORCHEN08		DATE: 2014/05/09		DATE: 2004/10/09		DATE: 2004/10/09		DATE: 2004/10/09		DATE: 2004/10/09	
APPROVED BY: APPROVED BY		DATE: 2014/06/30		DATE: 2004/10/09		DATE: 2004/10/09		DATE: 2004/10/09		DATE: 2004/10/09		DATE: 2004/10/09	
REV		DESCRIPTION		DATE		DATE		DATE		DATE		DATE	
1		4 PLACES ± 0.13		± 0.13		± 0.13		± 0.13		± 0.13		± 0.13	
2		3 PLACES ± 0.25		± 0.25		± 0.25		± 0.25		± 0.25		± 0.25	
3		2 PLACES ± 0.25		± 0.25		± 0.25		± 0.25		± 0.25		± 0.25	
4		1 PLACE ± 0.25		± 0.25		± 0.25		± 0.25		± 0.25		± 0.25	
5		0 PLACE ± 0.25		± 0.25		± 0.25		± 0.25		± 0.25		± 0.25	
6		ANGULAR ± 1°		± 1°		± 1°		± 1°		± 1°		± 1°	
7		DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		MUST REMAIN WITHIN DIMENSIONS		MUST REMAIN WITHIN DIMENSIONS		MUST REMAIN WITHIN DIMENSIONS		MUST REMAIN WITHIN DIMENSIONS	
8		MATERIAL NO.		SEE P/N TABLE		SEE P/N TABLE		SEE P/N TABLE		SEE P/N TABLE		SEE P/N TABLE	
9		DOCUMENT NO.		SD-74728-415		SD-74728-415		SD-74728-415		SD-74728-415		SD-74728-415	
10		SHEET NO.		1 OF 5		1 OF 5		1 OF 5		1 OF 5		1 OF 5	
11		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

HOST CONNECTOR DETAIL

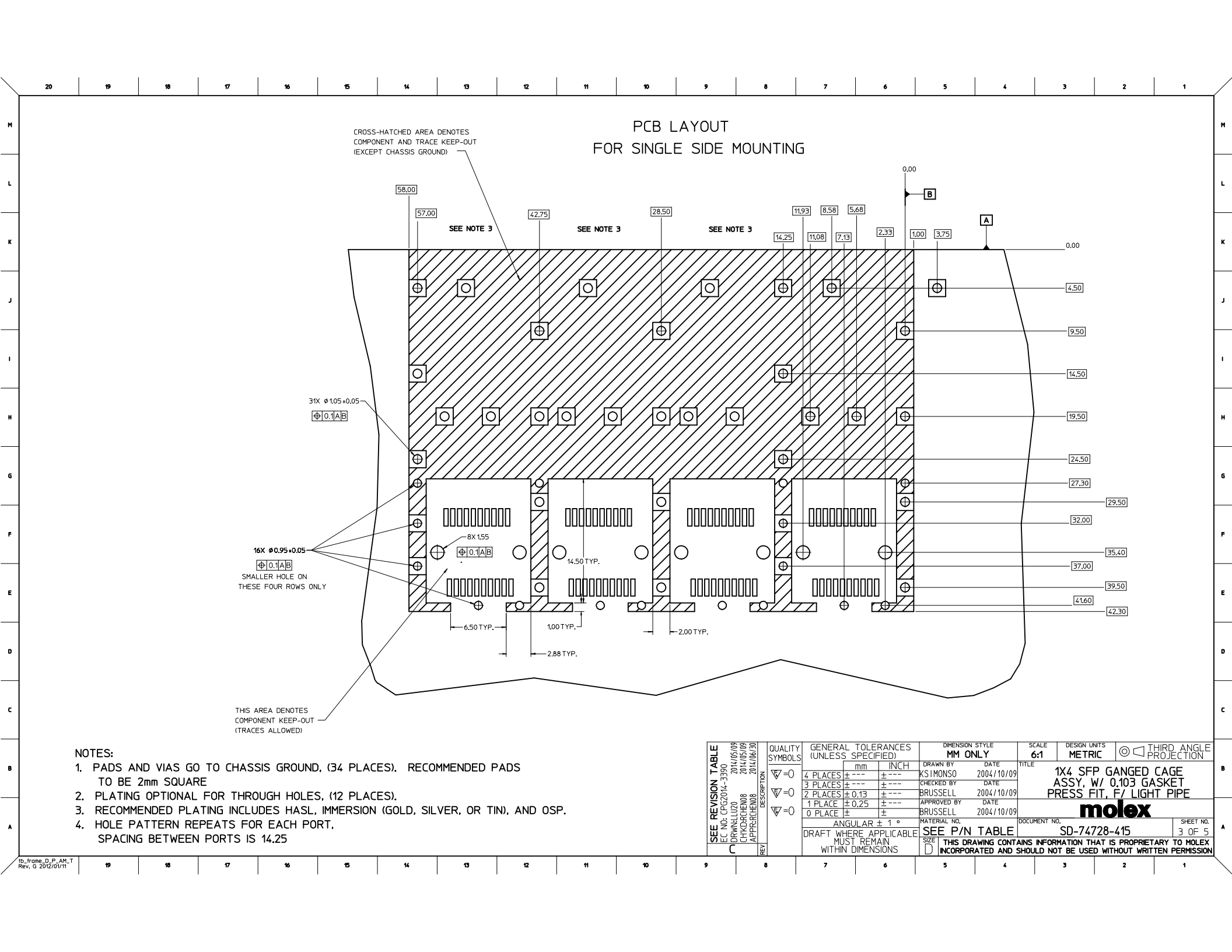


Detail1
SCALE 8:1

NOTES:

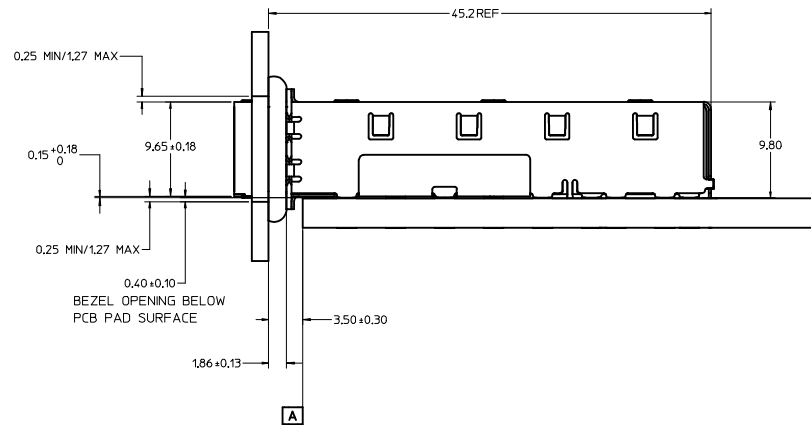
1. PADS AND VIAS GO TO CHASSIS GROUND, (64 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE
2. PLATING OPTIONAL FOR THROUGH HOLES, (16 PLACES).
3. RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD, SILVER, OR TIN), AND OSP.
4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25

SEE REVISION TABLE	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION		
	SYMBOLS				MM ONLY		6:1		METRIC				
	DESCRIPTION				DRAWN BY DATE		TITLE		1X4 SFP GANGED CAGE ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE				
	▽=0		mm	INCH	KSIMONSO 2004/10/09								
	▽=0		±	±	CHECKED BY DATE								
	▽=0		±0.13	±	BRUSSELL 2004/10/09								
	▽=0		±0.25	±	APPROVED BY DATE								
			0 PLACE	±	BRUSSELL 2004/10/09								
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		SD-74728-415				2 OF 5		
SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

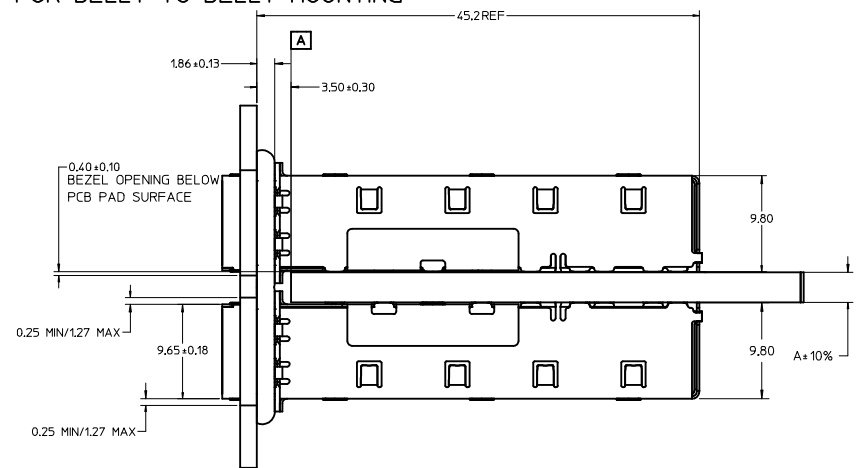
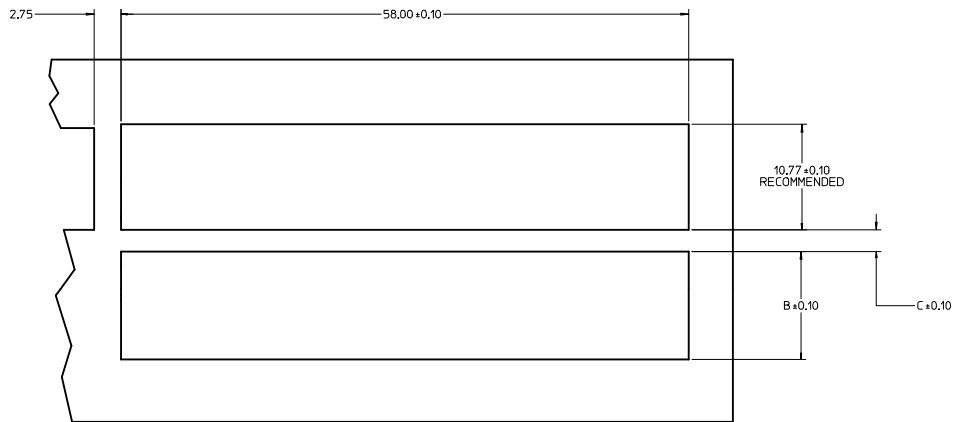




BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



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
B= 11.03
C= 2.23

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO:	CPG2014-3390	DATE	2014/05/09	mm	INCH	MM ONLY	DATE	4:1	METRIC				
DRWN/LU20	2014/05/09	CHYKORCHEN08	2014/05/09	4 PLACES ± ---	± ---	DRAWN BY	KS IMONSO	2004/10/09	DATE	1X4 SFP GANGED CAGE ASSY, W/ 0.103 GASKET PRESS FIT, F/ LIGHT PIPE			
APPR/CHEN08	2014/06/30	CHYKORCHEN08	2014/06/30	3 PLACES ± ---	± ---	CHECKED BY	BRUSSELL	2004/10/09	DATE				
				2 PLACES ± 0.13	± ---	APPROVED BY	BRUSSELL	2004/10/09	DATE	molex			
				1 PLACE ± 0.25	± ---								
				0 PLACE ±	±					SD-74728-415			
										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

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