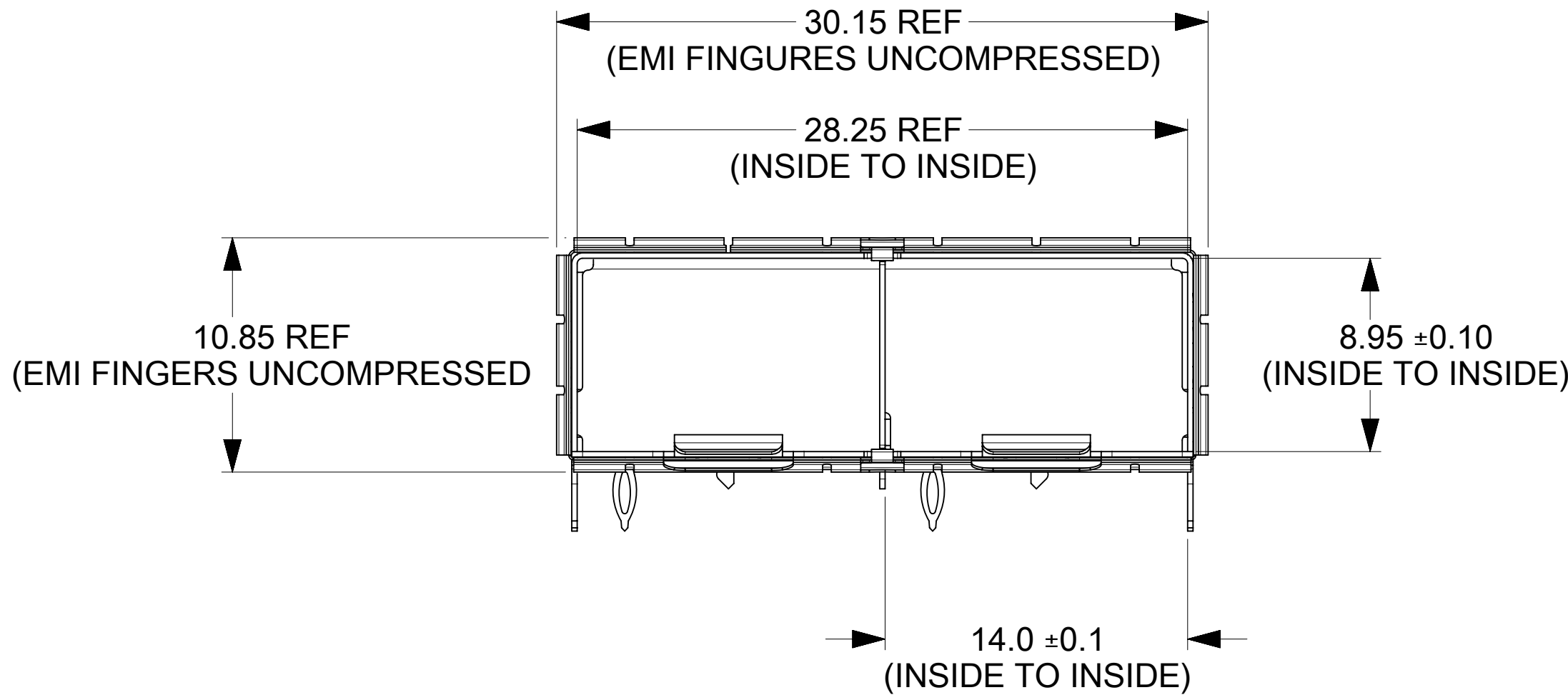
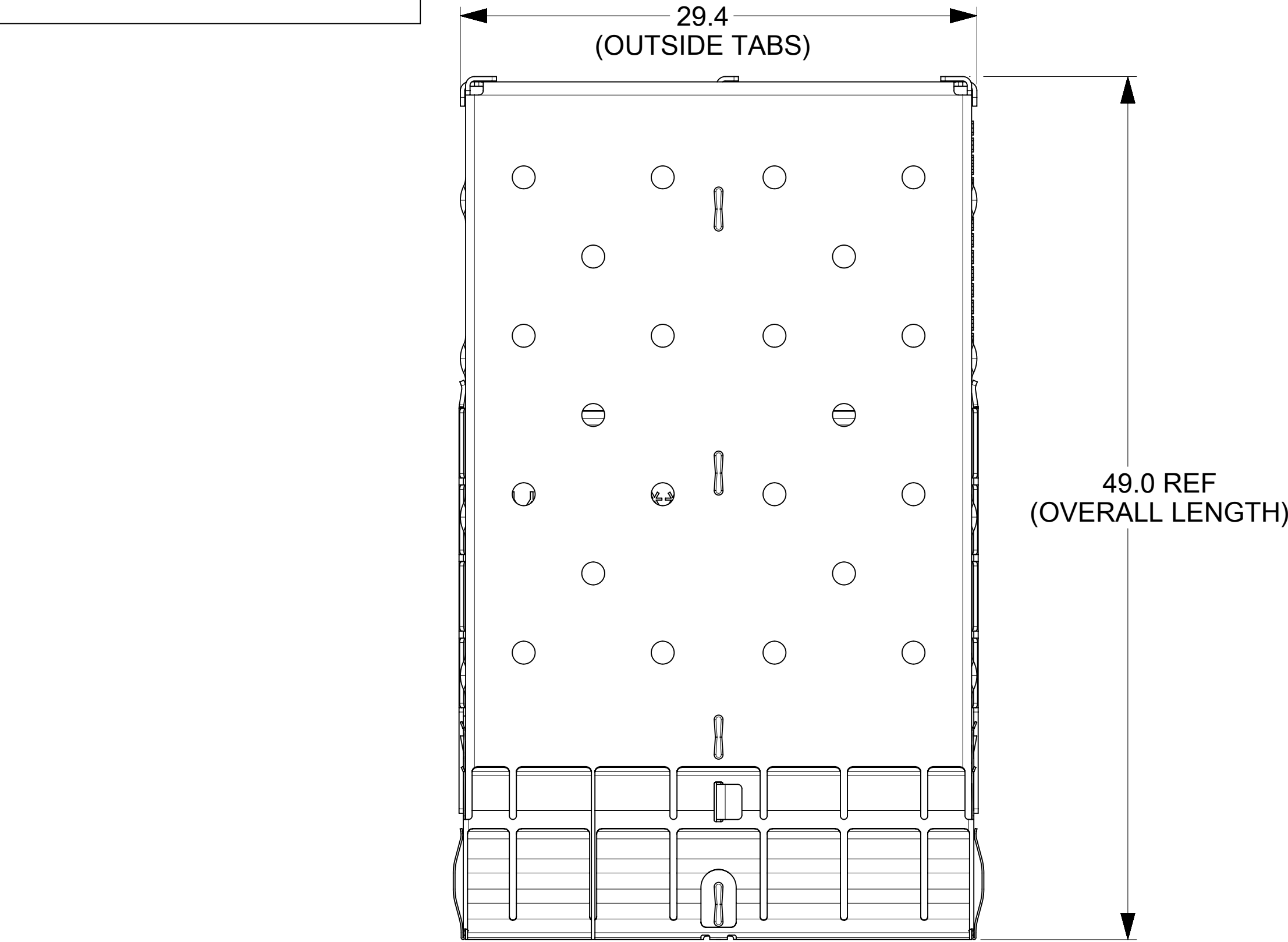
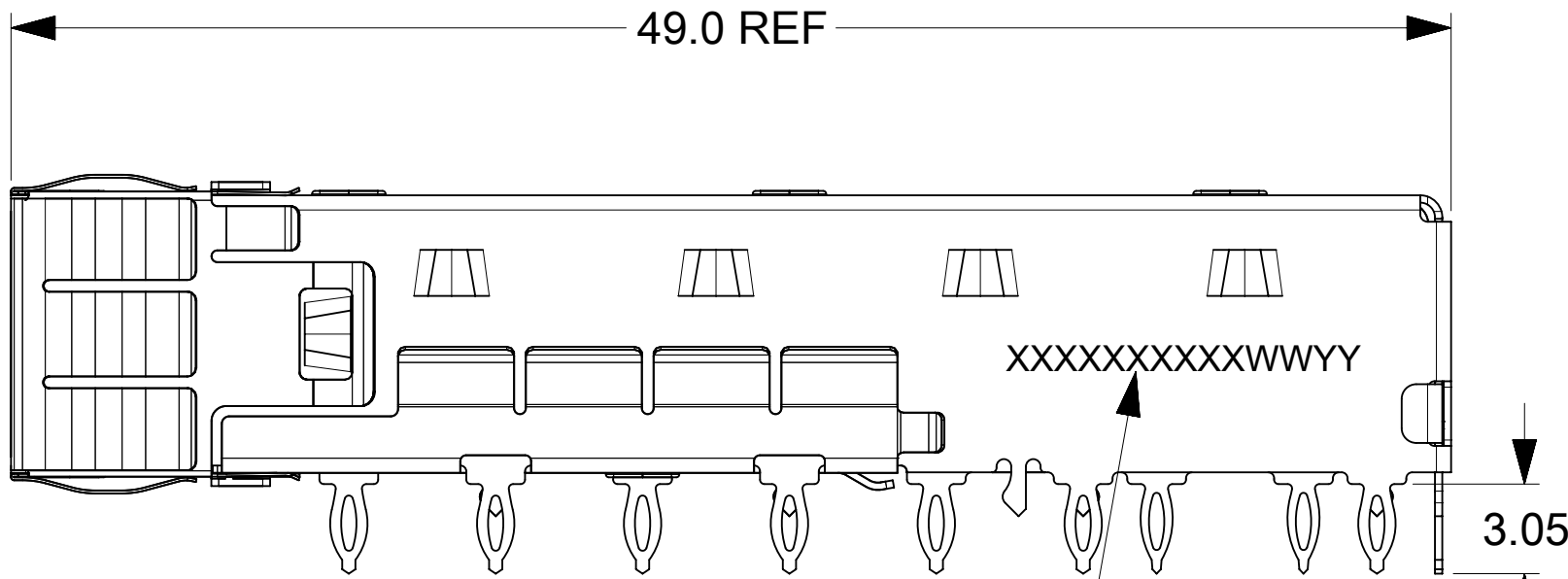
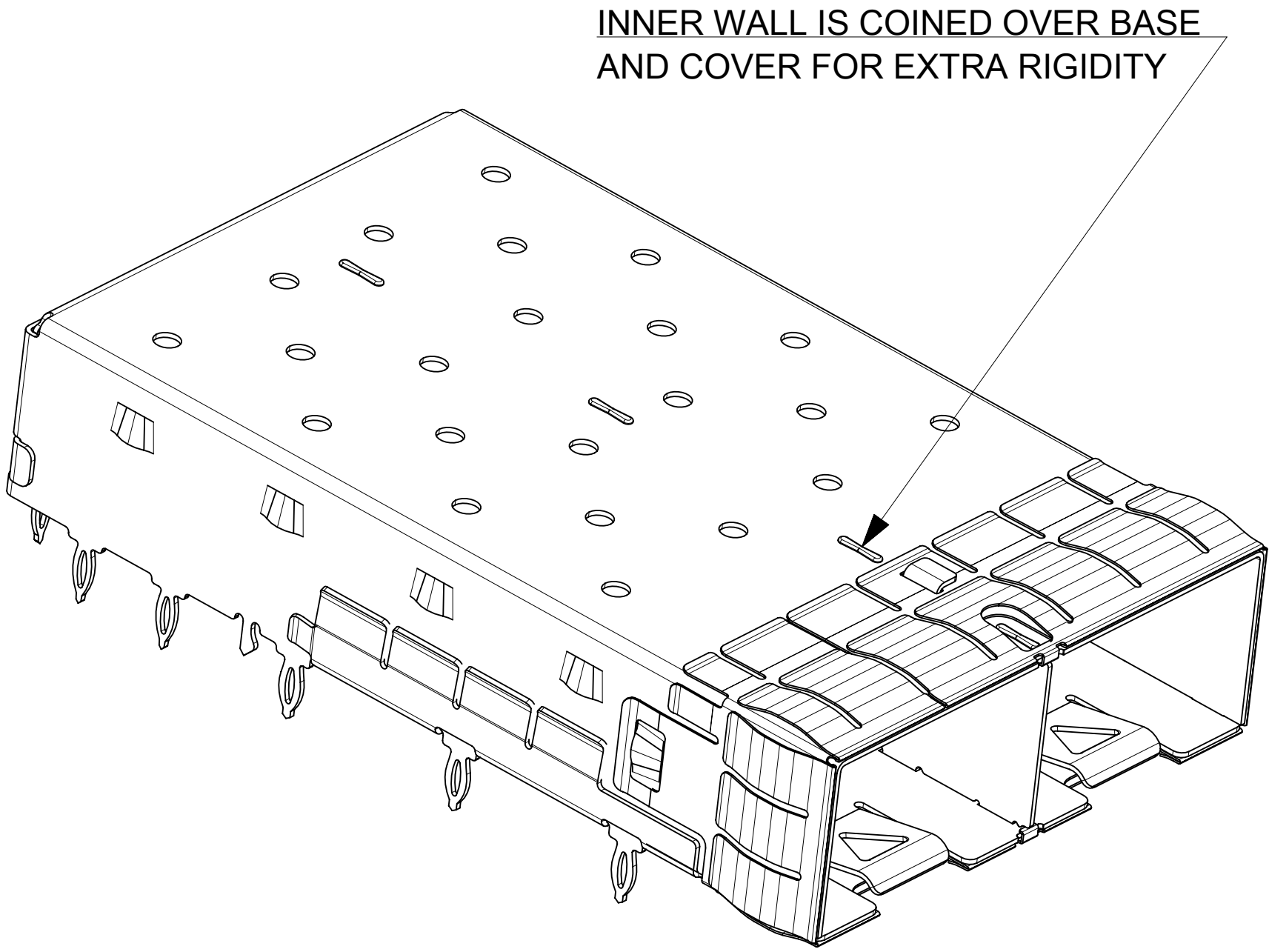
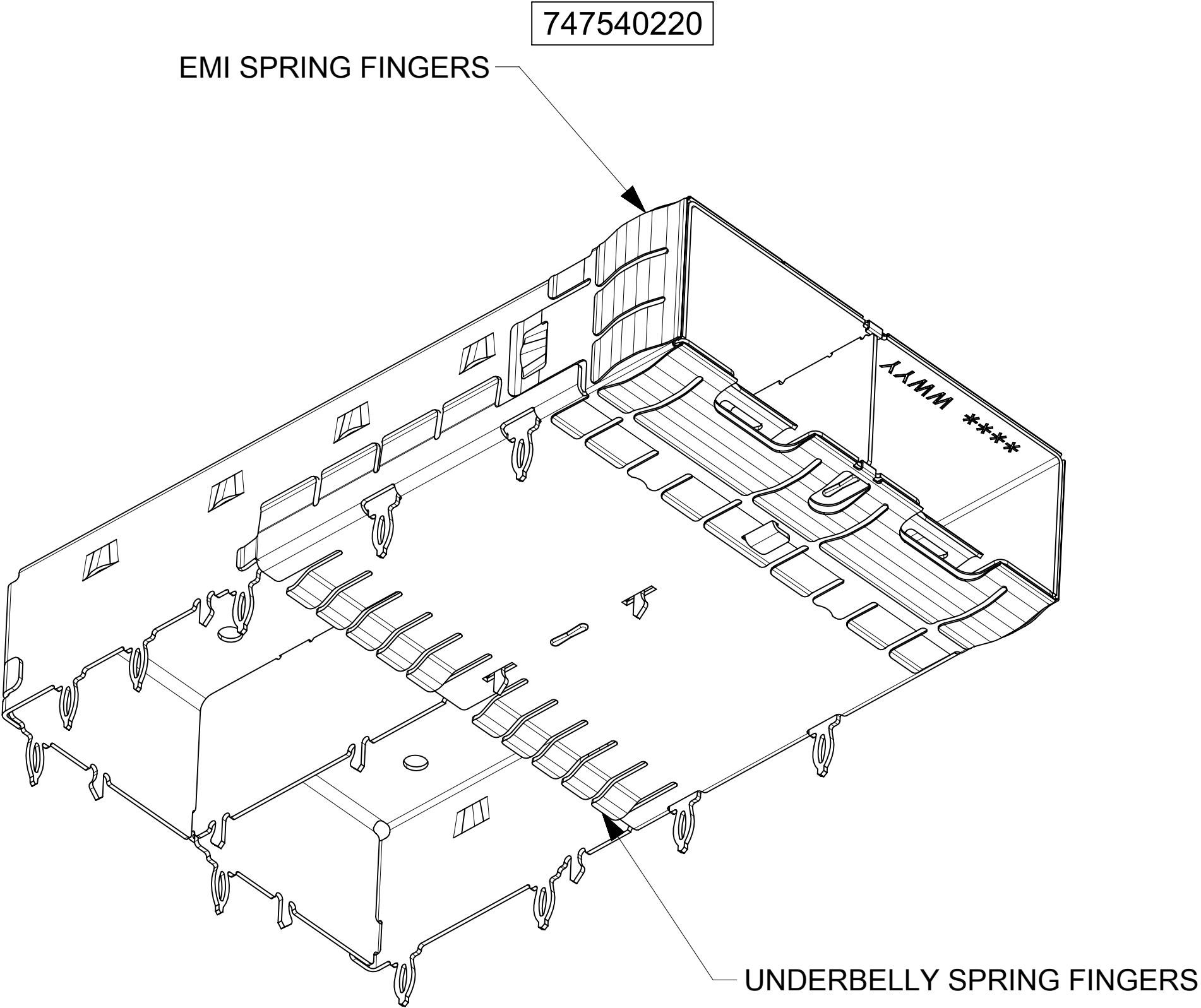
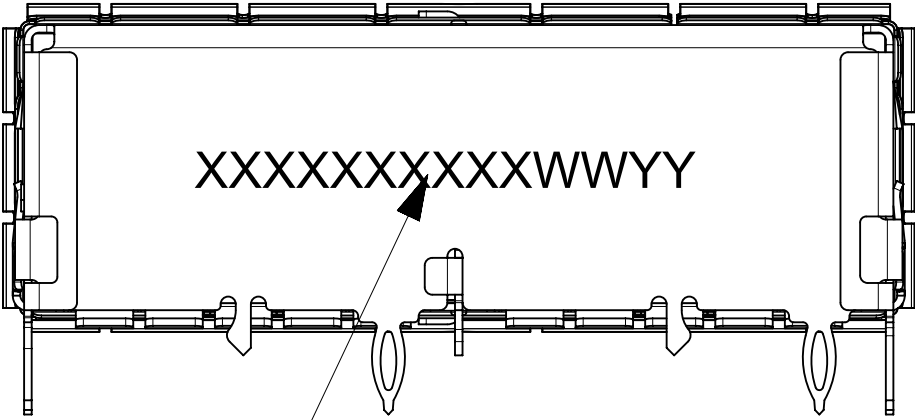




BASE CAGE DETAILS



PN/DATE CODE TO BE PRINTED IN APPROXIMATE AREA AS SHOWN. FOR 111112 SERIES CAGE



PN/DATE CODE TO BE PRINTED ON THE BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. FOR 74754 AND 100113 SERIES CAGE (747540247 NO NEED PRINTED)

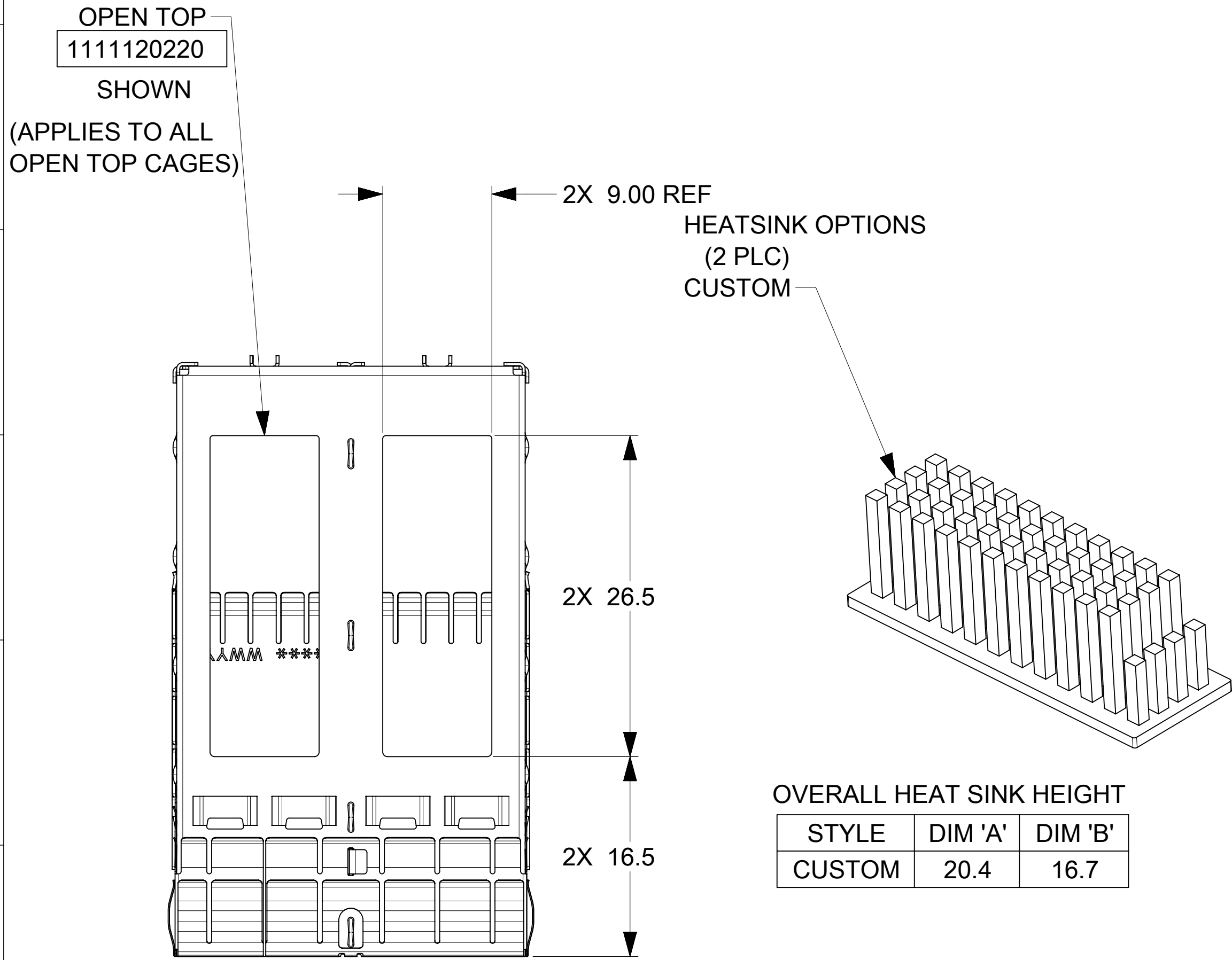
NOTES:

1. MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.
HEATSINK: ALUMINUM, NICKEL PLATED.
HEATSINK SPRING CLIP: STAINLESS STEEL.
2. PRESS FIT LEGS 3.05mm [.120 INCH] LONG
3. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS. THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS) AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.
4. WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
5. NO ROHS EXEMPTIONS.
6. CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

WEEK/YEAR DATE CODE TABLE		
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR	
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13	

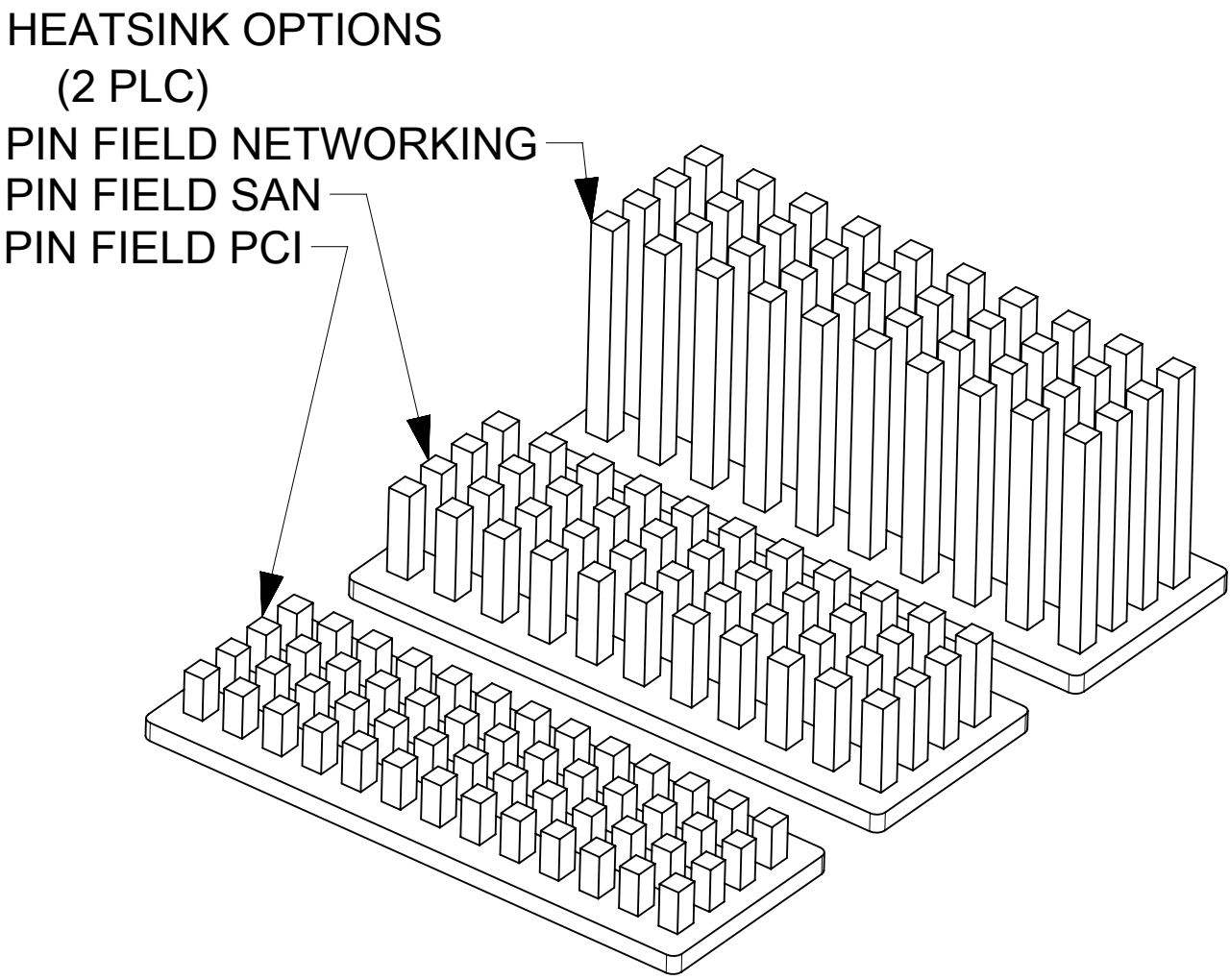
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.				molex									
mm		4:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)								SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS									
	MM		INCH														
4 PLACES	±		±	PRODUCT CUSTOMER DRAWING													
3 PLACES	±		±														
2 PLACES	±	0.13	±	DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION					
1 PLACE	±	0.25	±														
0 PLACES	±		±	SD-111112-2220				PSD		001		J					
ANGULAR TOL ± °																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
								D-SIZE		111112		SEE SHEET 4		GENERAL MARKET		1 OF 8	

CAGE ASSEMBLY OPTIONS



OVERALL HEAT SINK HEIGHT

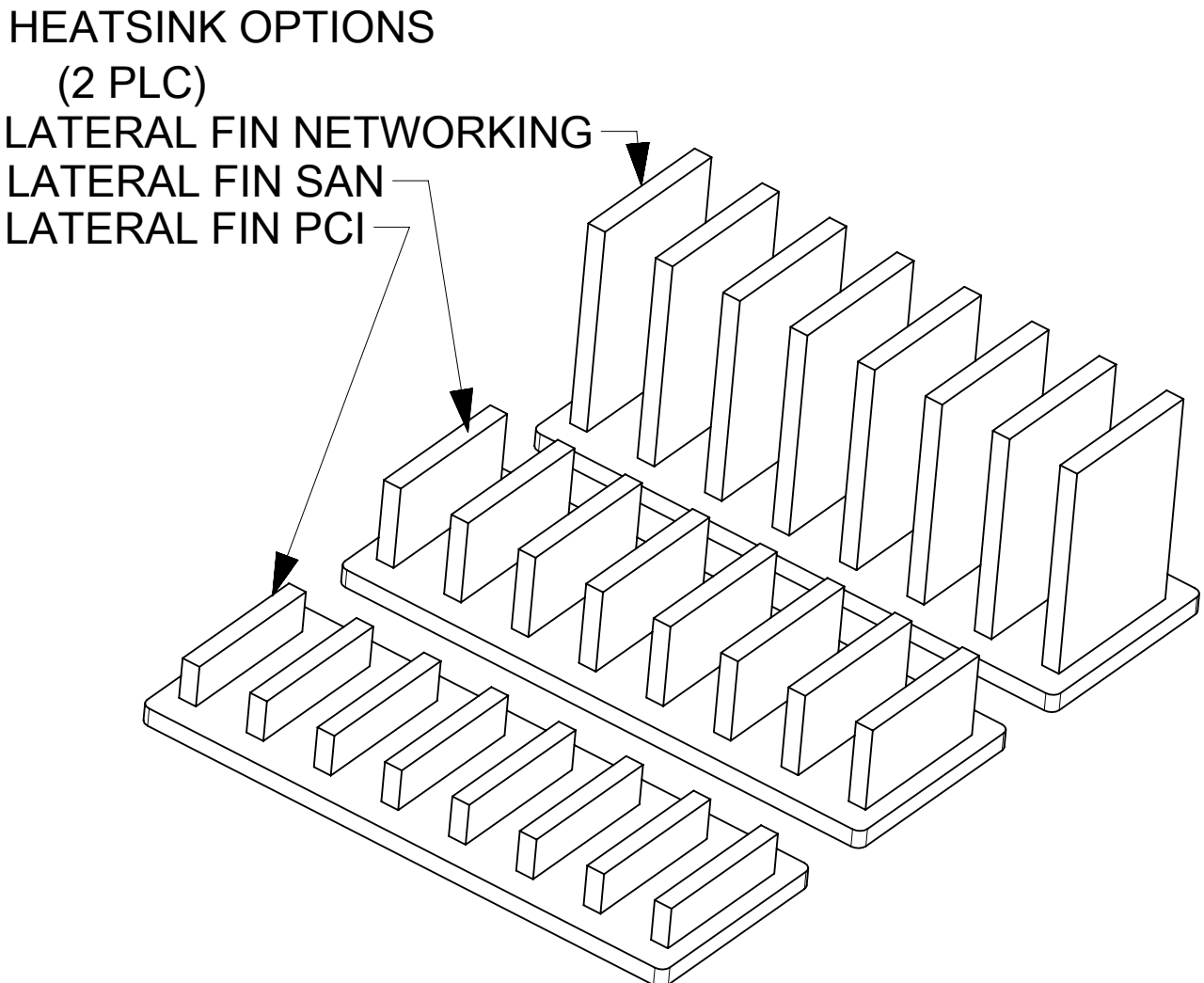
STYLE	DIM 'A'	DIM 'B'
CUSTOM	20.4	16.7



OVERALL HEATSINK HEIGHT

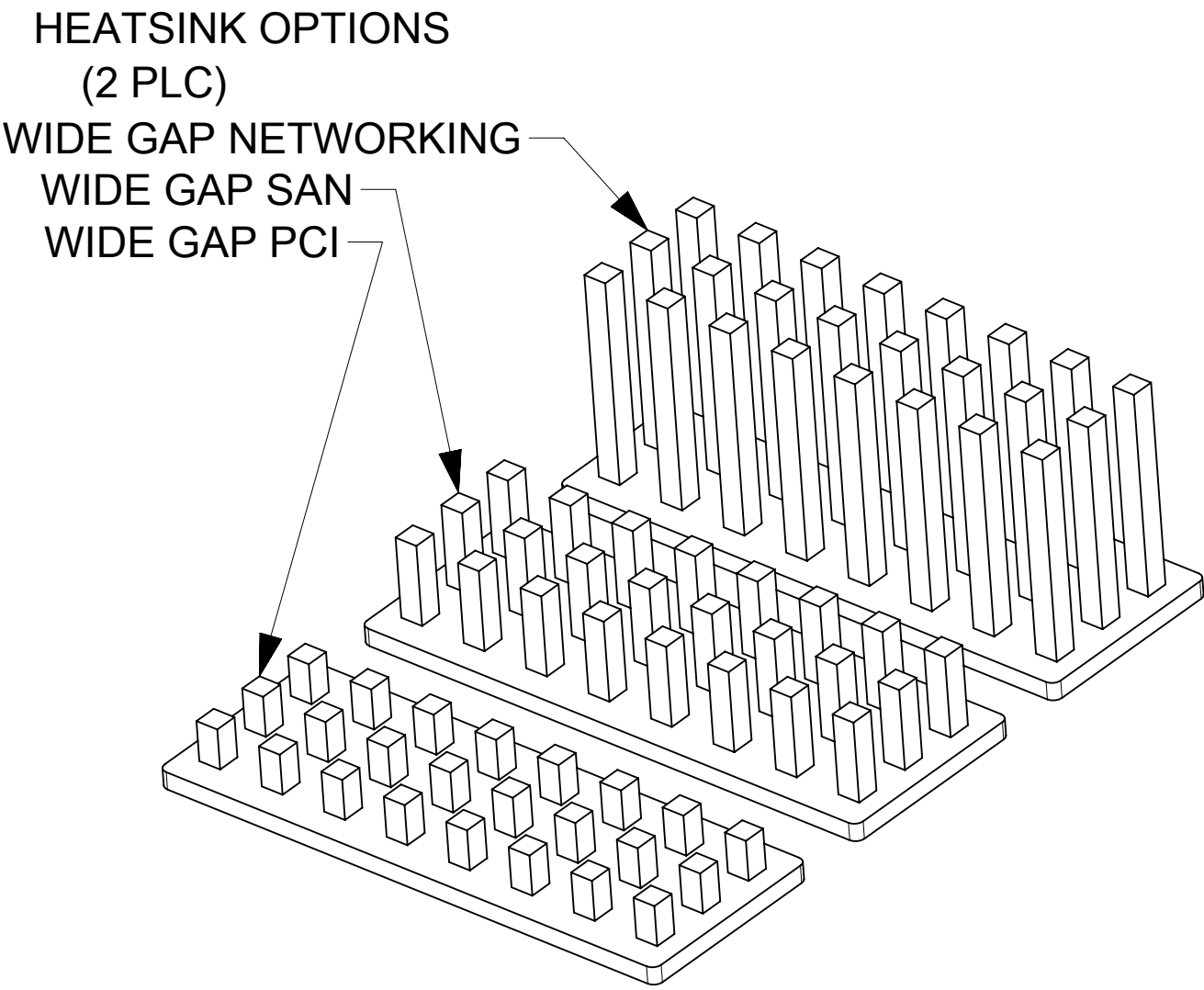
APPLICATION	STYLE	DIM 'A'
PCI	PIN FIELD	14.3
SAN	PIN FIELD	16.6
NETWORKING	PIN FIELD	23.6

NOTE: PCI- 13 ROWS
SAN- 11 ROWS
NETWORKING- 10 ROWS



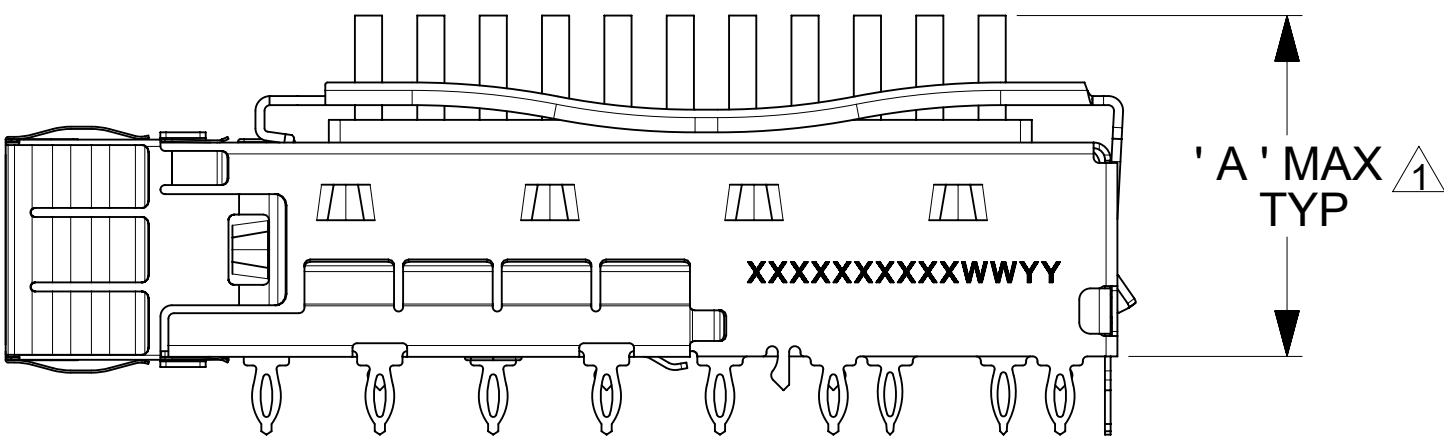
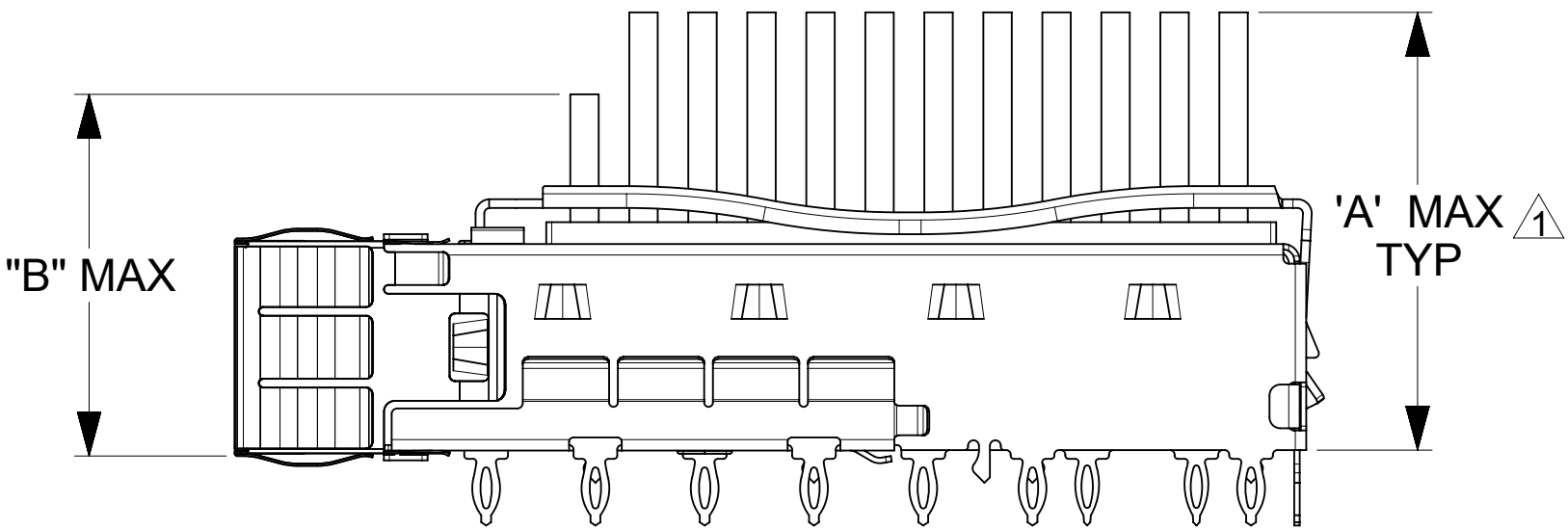
OVERALL HEATSINK HEIGHT

APLICATION	STYLE	DIM 'A'
PCI	LATERIAL FIELD	14.3
SAN	LATERIAL FIELD	16.6
NETWORKING	LATERIAL FIELD	23.6



OVERALL HEATSINK HEIGHT

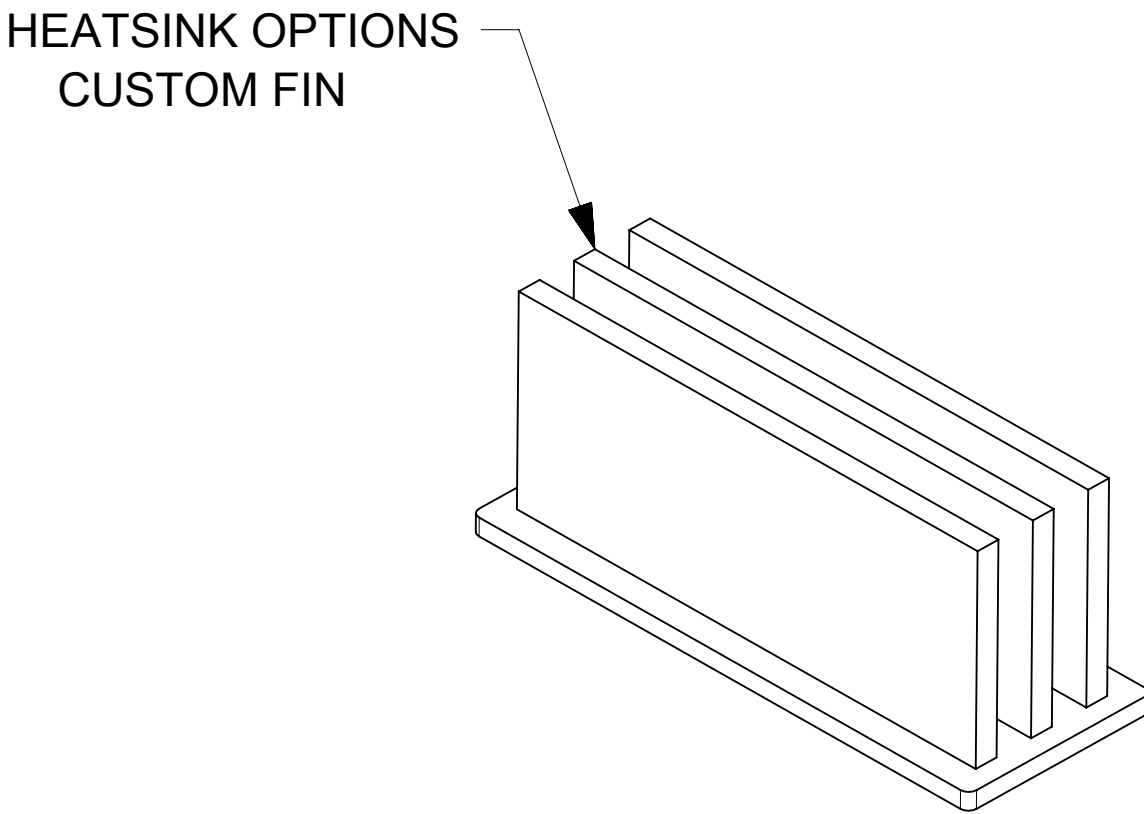
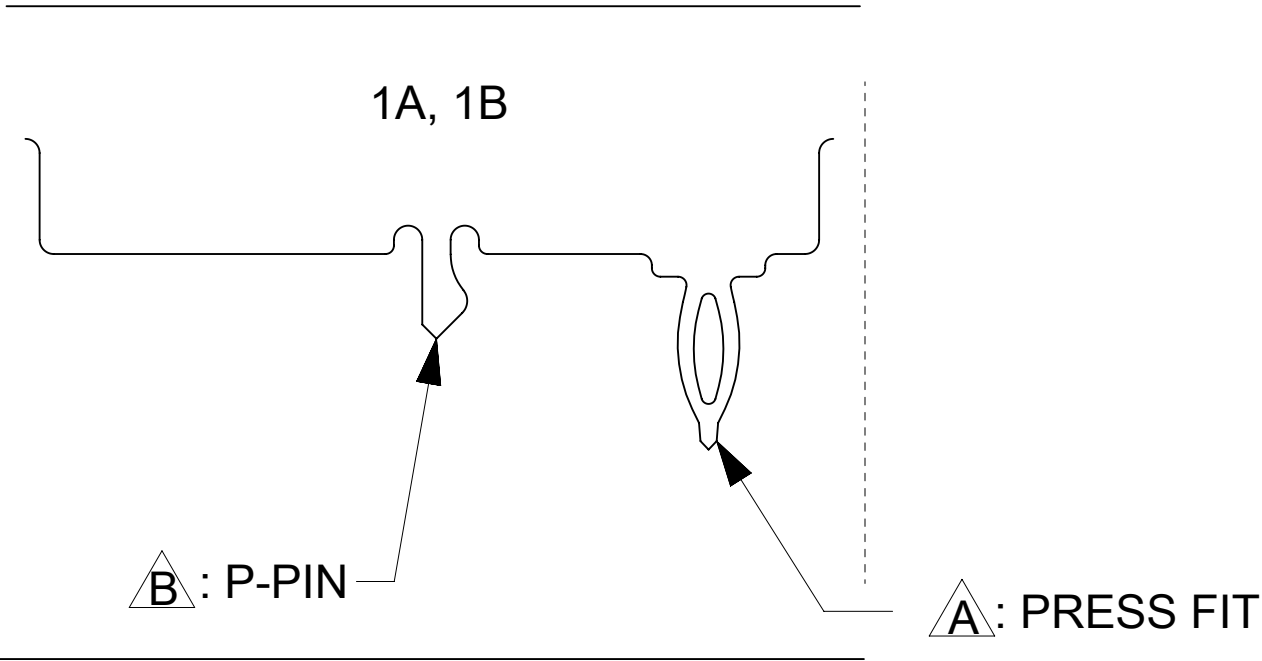
APPLICATION	TYLE	DIM 'A'
PCI	WIDE GAP PIN	14.3
SAN	WIDE GAP PIN	16.6
NETWORKING	WIDE GAP PIN	23.6



WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13

WITH MODULE INSERTED. DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS

REAR LEG OPTIONS
(PER REPORT)



OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
CUSTOM	23.6

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.					
mm	3:1						
GENERAL TOLERANCES (UNLESS SPECIFIED)							
	MM		INCH				
4 PLACES	±		±				
3 PLACES	±	±					
2 PLACES	±	0.13	±				
1 PLACE	±	0.25	±				
0 PLACES	±		±				
ANGULAR TOL		±	°				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			D-SIZE	111112			

EC NO: 680890
DRWN: SANTHN
CHK'D: GGA
APPR: GGA

2021/06/24
2021/11/25
2021/11/25

INITIAL REVISION:
DRWN: JERWIN
APPR:

2013/11/21

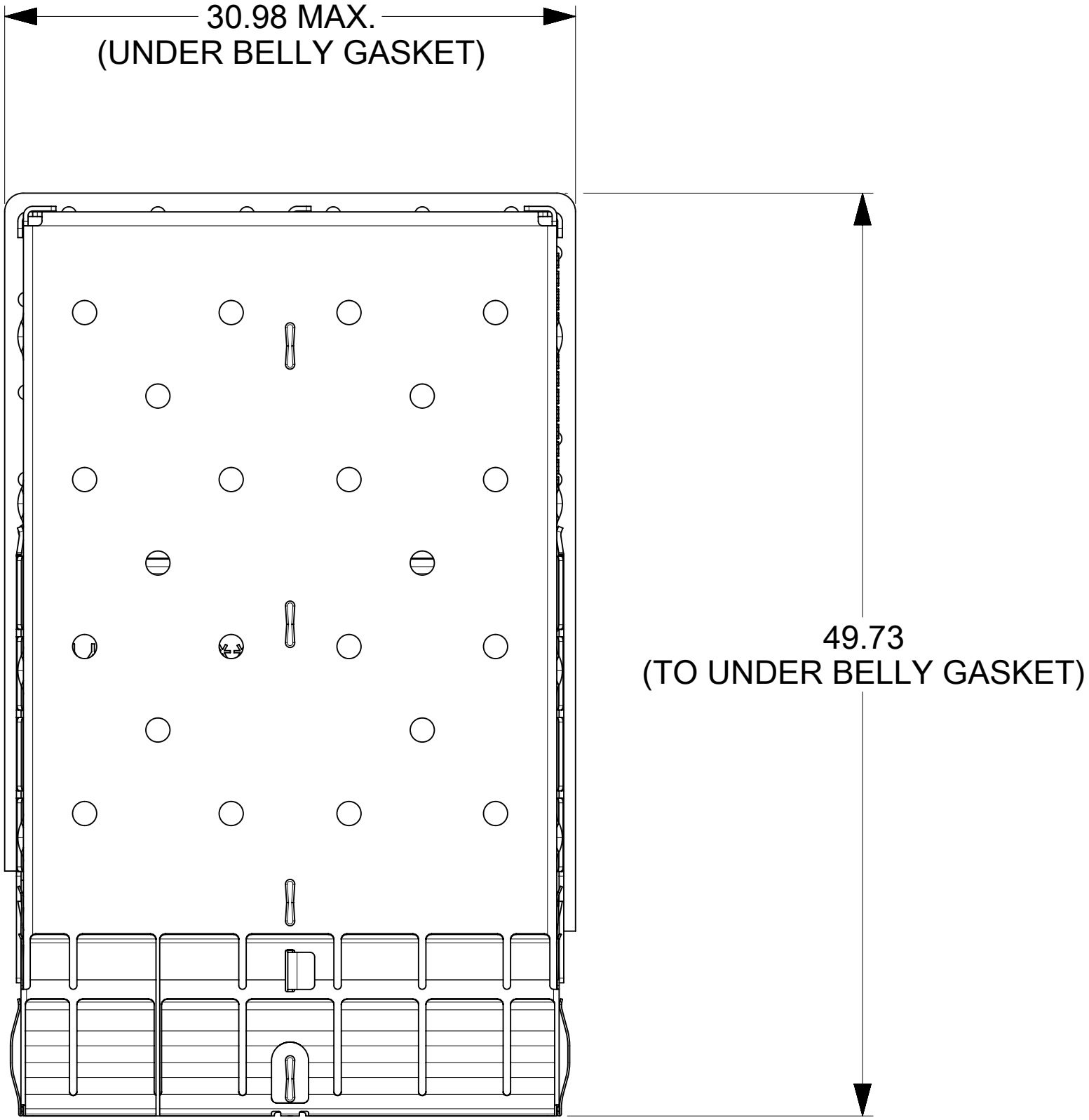
SFP+ 1X2 CAGE, .120 INCH
PRESS FIT, HEAT SINK, EMI SPRING FINGERS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-111112-2220	PSD	001	J

SEE SHEET 4
GENERAL MARKET
2 OF 8

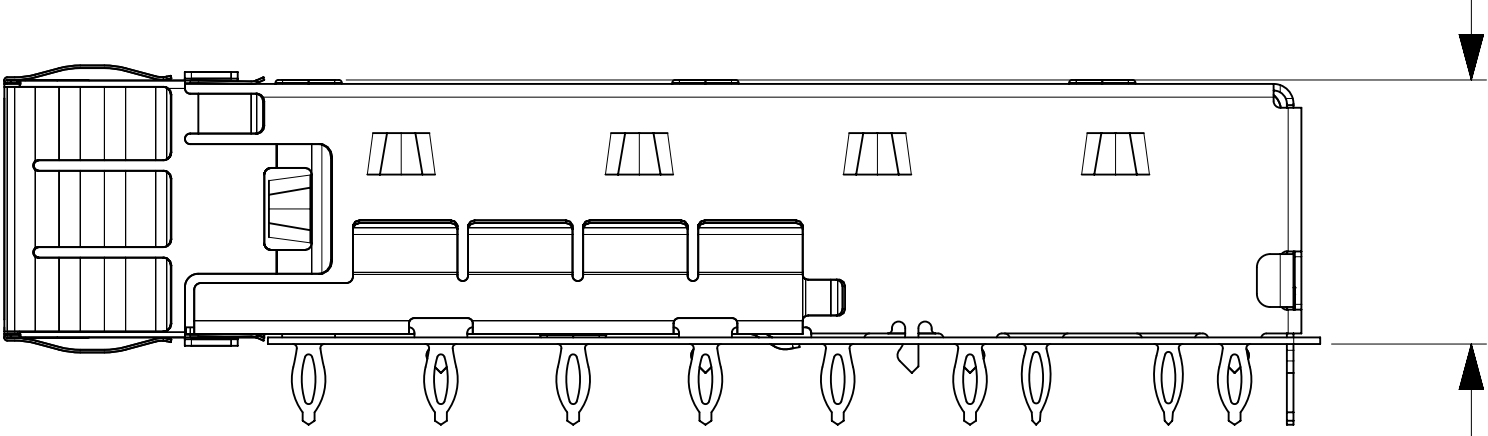
DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:18
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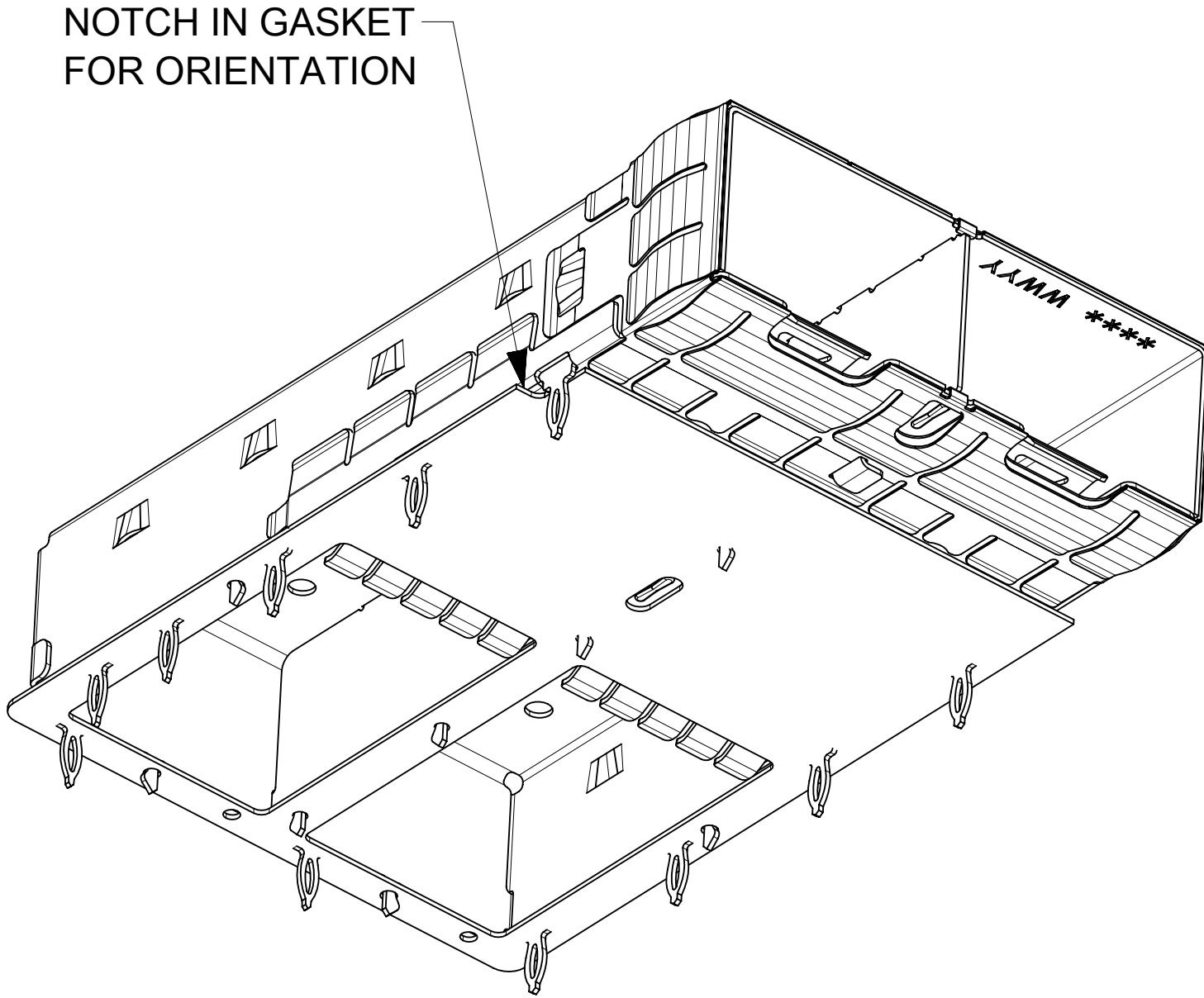
OPTIONAL GEN 2 zSFP+ UNDER BELLY GASKET

1001130220

SHOWN



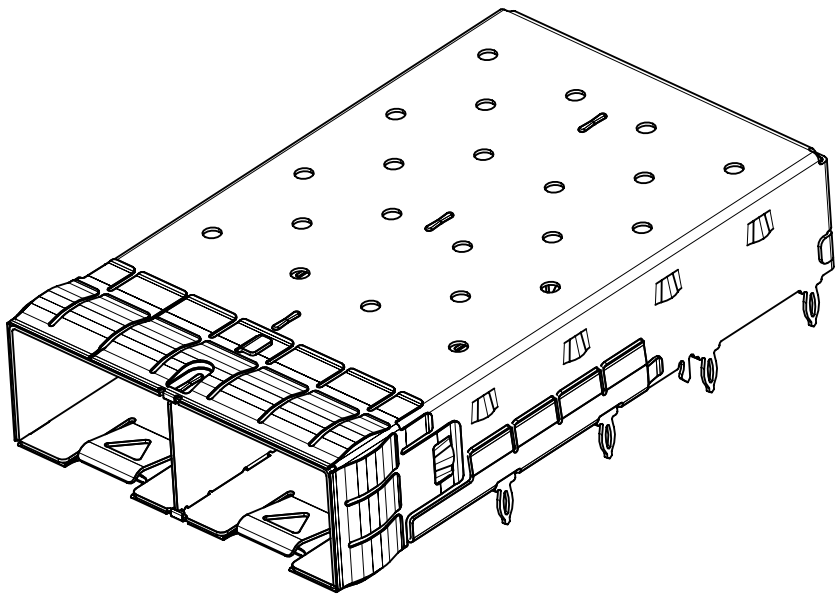
9.98 REF
TOP OF COIN TO
PCB PAD SURFACE
(WHEN PRESSED INTO BOARD)



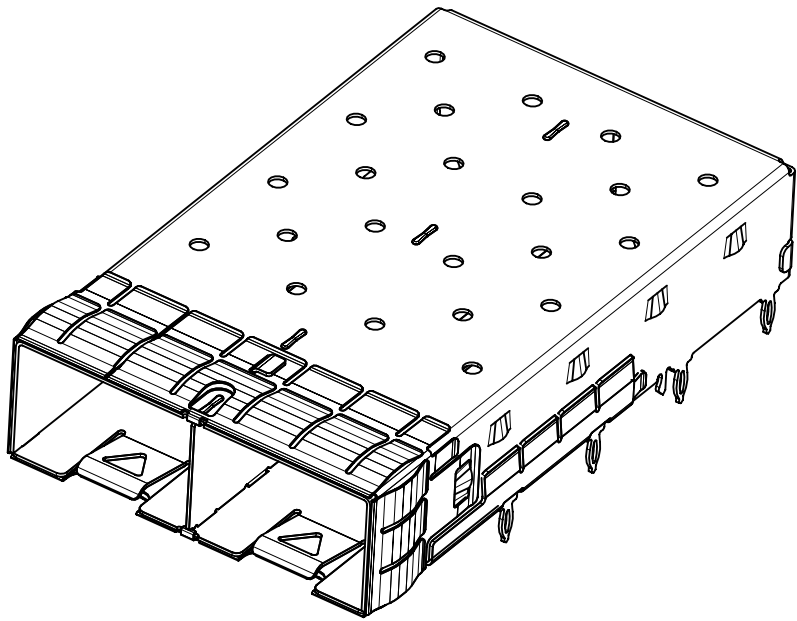
NOTE:
1. UNDER BELLY GASKET IS UL94 V-0 RATED

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: OBSOLETE PART NUMBER AS PER PCN#509457.			molex								
mm		3.5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)							EC NO: 680890 DRWN: SANTHN 2021/06/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25 INITIAL REVISION: DRWN: JERWIN 2013/11/21 APPR:			SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS					
	MM		INCH	PRODUCT CUSTOMER DRAWING											
4 PLACES	±		±							DOCUMENT NUMBER SD-111112-2220			DOC TYPE PSD		DOC PART 001
3 PLACES	±		±												
2 PLACES	±	0.13	±												
1 PLACE	±	0.25	±												
0 PLACES	±		±												
ANGULAR TOL ± °															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING D-SIZE		SERIES 111112		MATERIAL NUMBER SEE SHEET 4		CUSTOMER GENERAL MARKET		SHEET NUMBER 3 OF 8	

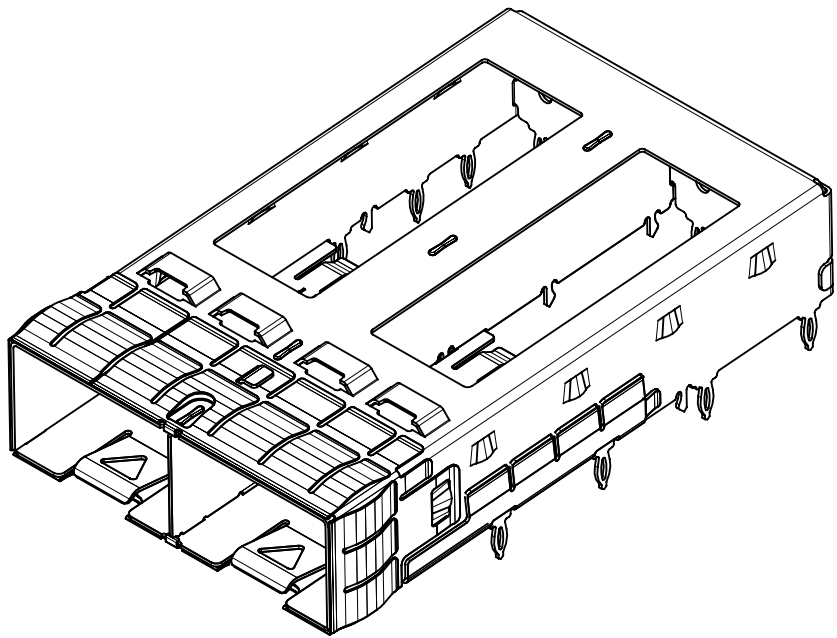
PART NUMBER SELECTION



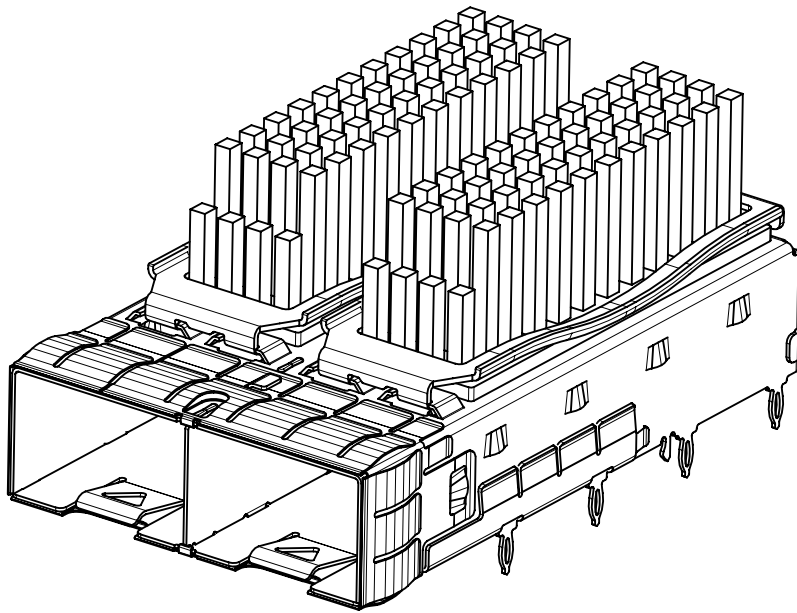
SFP+ CLOSED TOP BASE CAGE	
PART NO.	DESCRIPTION
747540220	SFP FOOTPRINT (STD B TO B), 5 WELD POINTS
747540222	SFP FOOTPRINT (STD B TO B), 16 WELD POINTS
747540247	SAME AS ABOVE BUT NO PN/DATE CODE PRINTED



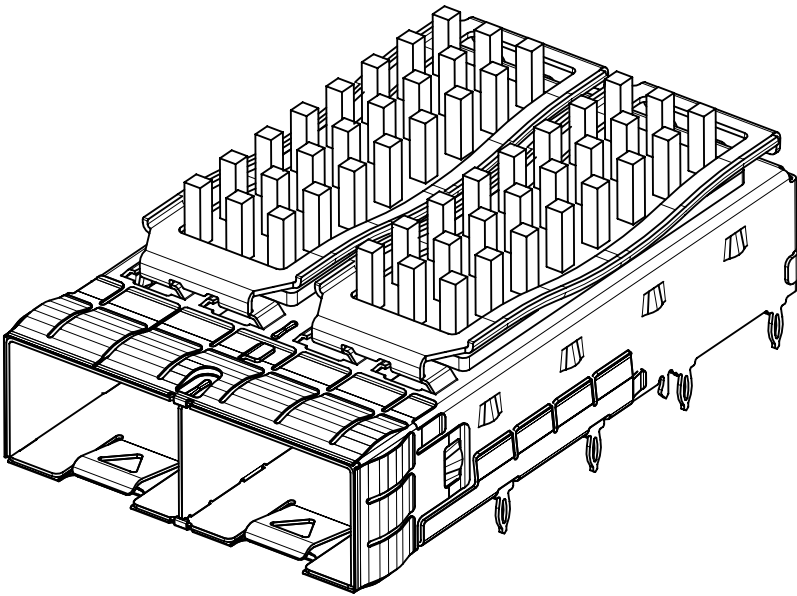
zSFP+ GEN 2 CLOSED TOP	
PART NO.	1001130220



SFP+ OPEN TOP BASE CAGE FOR HEATSINK	
PART NO.	1111120220



SFP+ CUSTOM HEATSINK OPTION	
PART NO.	1111120226



SFP+ LATERAL FIN HEATSINK OPTION	
PART NO.	APPLICATION
1111127220	PCI

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DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.13	±
1 PLACE	± 0.25	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE

MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.

EC NO: 680890

DRWN: SANTHN

CHK'D: GGA

APPR: GGA

INITIAL REVISION:

DRWN: JERWIN

APPR:

THIRD ANGLE PROJECTION

DRAWING

D-SIZE

SERIES

111112

SD-111112-2220

SEE SHEET 4

PRODUCT CUSTOMER DRAWING

GENERAL MARKET

SHEET NUMBER

4 OF 8

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-111112-2220

PSD

001

J

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:18
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PCB LAYOUT - SINGLE SIDE ONLY

The diagram illustrates the PCB layout for a single side. It includes a main layout with dimensions and a detail view (DETAIL 1) showing a cross-hatched area. The main layout features a central rectangular area with a circular cutout, surrounded by a hatched area. Dimensions are provided in millimeters (mm) and inches (INCH). Key dimensions include 14.25 TYP, 1.00, 2.5 MIN, 12.05, 1.10, 2.00 TYP, 1.00 TYP, 2.88 TYP, 12.25 TYP, 7.13 TYP, 11.93 TYP, 2.33 TYP, 42.30 TYP, 41.6 TYP, 39.5 TYP, 37.0 TYP, 32.0, 29.5 TYP, 27.3 TYP, 24.5, 21.60 TYP, 19.5 TYP, 14.5, 9.5 TYP, 4.5, and 0.0. Notes include: 1. PADS AND VIAS CONNECT TO CHASSIS GROUND RECOMMEND PADS TO BE 2.00mm SQUARE; 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN); 3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT; 4. SPACING BETWEEN PORTS IS 14.25mm; 5. CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP); 6. HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND); 7. 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE. The detail view shows a cross-hatched area with dimensions 12.05, 1.10, 2.00 TYP, 1.00 TYP, 2.88 TYP, 12.25 TYP, and 7.13 TYP. The detail view is labeled DETAIL 1 SCALE 8:1.

7X $\varnothing 1.05 \pm 0.05$
SHOWN AS $\varnothing$

SEE NOTE 6

SEE NOTE 5

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

12X $\varnothing 0.95 \pm 0.05$
SHOWN AS $\varnothing$

14.25 TYP

1.00

2.5 MIN

TOP-LEFT HOLE OF ADJACENT
CAGE AT MINIMUM SPACING

0.0

4.5

9.5 TYP

14.5

19.5 TYP

21.60 TYP

24.5

27.3 TYP

29.5 TYP

32.0

37.0 TYP

39.5 TYP

41.6 TYP

42.30 TYP

SEE DETAIL 1

2.33 TYP

7.13 TYP

11.93 TYP

12.05

1.10

2.00 TYP

1.00 TYP

2.88 TYP

2.88 TYP

12.25 TYP

DETAIL 1
SCALE 8:1

NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. SPACING BETWEEN PORTS IS 14.25mm
5. CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP)
6. HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)
7. 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.	
mm		5:1			
GENERAL TOLERANCES (UNLESS SPECIFIED)					
	MM	INCH			
4 PLACES	±	±			
3 PLACES	±	±			
2 PLACES	±	0.13			
1 PLACE	±	0.25			
0 PLACES	±	±			
ANGULAR TOL		± °			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING D-SIZE	
		SERIES 111112		MATERIAL NUMBER SEE SHEET 4	
		CUSTOMER GENERAL MARKET		SHEET NUMBER 5 OF 8	

EC NO: 680890
DRWN: SANTHN
CHK'D: GGA
APPR: GGA
INITIAL REVISION:
DRWN: JERWIN
APPR:

2021/06/24
2021/11/25
2021/11/25
2013/11/21

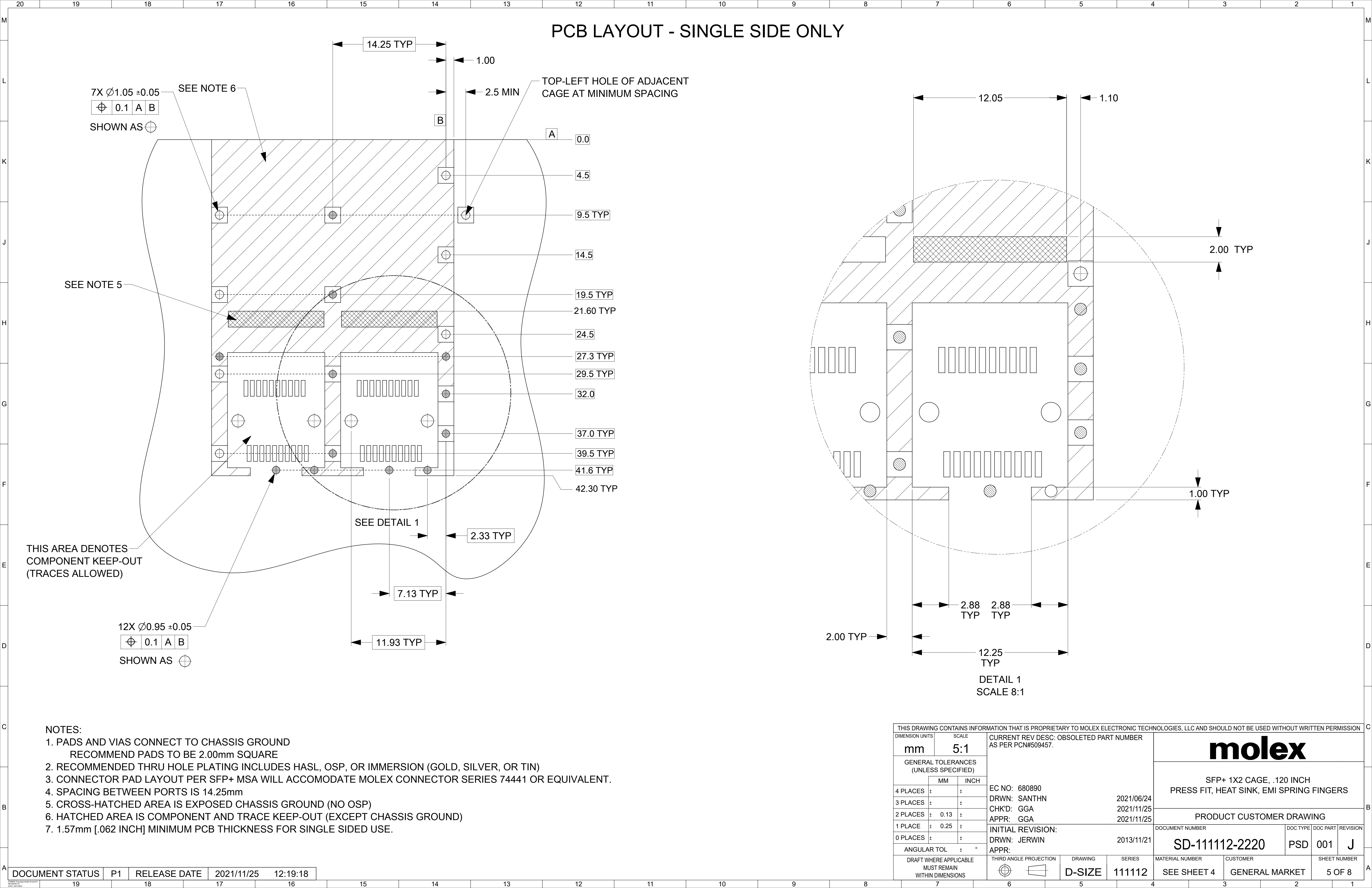
DOCUMENT NUMBER
SD-111112-2220

DOC TYPE
PSD

DOC PART
001

REVISION
J

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:18
19	18	17	16	15
14	13	12	11	10
9	8	7	6	5
4	3	2	1	



PCB LAYOUT - SINGLE SIDE ONLY

The diagram illustrates the PCB layout for a single side. It includes a main layout with dimensions and a detail view (DETAIL 1) showing a cross-hatched area. The main layout features a central rectangular area with a circular cutout, surrounded by a hatched area. Dimensions are provided in millimeters (mm) and inches (INCH). The detail view shows a cross-hatched area with dimensions and a scale of 8:1.

Dimensions:

- 14.25 TYP
- 1.00
- 2.5 MIN
- 12.05
- 1.10
- 2.00 TYP
- 1.00 TYP
- 2.88 TYP
- 2.88 TYP
- 12.25 TYP
- 7.13 TYP
- 11.93 TYP
- 2.33 TYP
- 42.30 TYP
- 41.6 TYP
- 39.5 TYP
- 37.0 TYP
- 32.0
- 29.5 TYP
- 27.3 TYP
- 24.5
- 21.60 TYP
- 19.5 TYP
- 14.5
- 9.5 TYP
- 4.5
- 0.0

Notes:

- PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
- RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
- CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
- SPACING BETWEEN PORTS IS 14.25mm
- CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP)
- HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)
- 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

DETAIL 1
SCALE 8:1

Notes:

- THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)
- SEE NOTE 5
- SEE NOTE 6
- 7X Ø1.05 ±0.05
SHOWN AS ⊕
- 12X Ø0.95 ±0.05
SHOWN AS ⊕
- TOP-LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING

Document Information:

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:18
NOTES:				
1. PADS AND VIAS CONNECT TO CHASSIS GROUND RECOMMEND PADS TO BE 2.00mm SQUARE				
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)				
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.				
4. SPACING BETWEEN PORTS IS 14.25mm				
5. CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP)				
6. HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)				
7. 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.				

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.	molex			
mm	5:1		SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS			
GENERAL TOLERANCES (UNLESS SPECIFIED)			PRODUCT CUSTOMER DRAWING			
	MM	INCH	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
4 PLACES	±	±	SD-111112-2220	PSD	001	J
3 PLACES	±	±				
2 PLACES	±	0.13				
1 PLACE	±	0.25				
0 PLACES	±	±				
ANGULAR TOL	±	°				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	⊕	D-SIZE	111112	SEE SHEET 4	GENERAL MARKET	5 OF 8

- PCB LAYOUT - SINGLE SIDE ONLY

7X Ø1.05 ±0.05
0.1 A B
SHOWN AS

SEE NOTE 6

14.25 TYP

1.00

2.5 MIN

TOP-LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING

0.0 A

4.5

9.5 TYP

14.5

19.5 TYP

21.60 TYP

24.5

27.3 TYP

29.5 TYP

32.0

37.0 TYP

39.5 TYP

41.6 TYP

42.30 TYP

SEE NOTE 5

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

12X Ø0.95 ±0.05
0.1 A B
SHOWN AS

SEE DETAIL 1

2.33 TYP

7.13 TYP

11.93 TYP

12.05

1.10

2.00 TYP

2.00 TYP

1.00 TYP

2.88 TYP

2.88 TYP

12.25 TYP

DETAIL 1
SCALE 8:1

NOTES:

 - PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
 - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
 - CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
 - SPACING BETWEEN PORTS IS 14.25mm
 - CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP)
 - HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)
 - 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.	
mm	5:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
	MM	INCH	
4 PLACES	±	±	
3 PLACES	±	±	
2 PLACES	±	0.13	±
1 PLACE	±	0.25	±
0 PLACES	±		±
ANGULAR TOL	±	°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING
			D-SIZE
		SERIES	111112
DOCUMENT NUMBER		CUSTOMER	SHEET NUMBER
SD-111112-2220		GENERAL MARKET	5 OF 8

DOCUMENT STATUS P1 RELEASE DATE 2021/11/25 12:19:18

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PSD 001 J

SEE SHEET 4

GENERAL MARKET

5 OF 8

PCB LAYOUT - SINGLE SIDE ONLY

The diagram illustrates the PCB layout for a single side. It includes a main layout with dimensions and a detail view (DETAIL 1) showing a cross-hatched area. The main layout features a central rectangular area with a circular cutout, surrounded by a larger rectangular area. Dimensions are provided in millimeters (mm) and inches (INCH). The detail view shows a cross-hatched area with dimensions 12.05, 1.10, 2.00 TYP, 1.00 TYP, 2.88 TYP, 2.88 TYP, 12.25 TYP, and 2.00 TYP. The detail view is labeled DETAIL 1 SCALE 8:1.

7X $\varnothing 1.05 \pm 0.05$
SHOWN AS $\oplus$

SEE NOTE 6

14.25 TYP

1.00

2.5 MIN

TOP-LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING

0.0

4.5

9.5 TYP

14.5

19.5 TYP

21.60 TYP

24.5

27.3 TYP

29.5 TYP

32.0

37.0 TYP

39.5 TYP

41.6 TYP

42.30 TYP

SEE NOTE 5

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

12X $\varnothing 0.95 \pm 0.05$
SHOWN AS $\oplus$

SEE DETAIL 1

2.33 TYP

7.13 TYP

11.93 TYP

12.05

1.10

2.00 TYP

1.00 TYP

2.88 TYP

2.88 TYP

12.25 TYP

DETAIL 1
SCALE 8:1

NOTES:

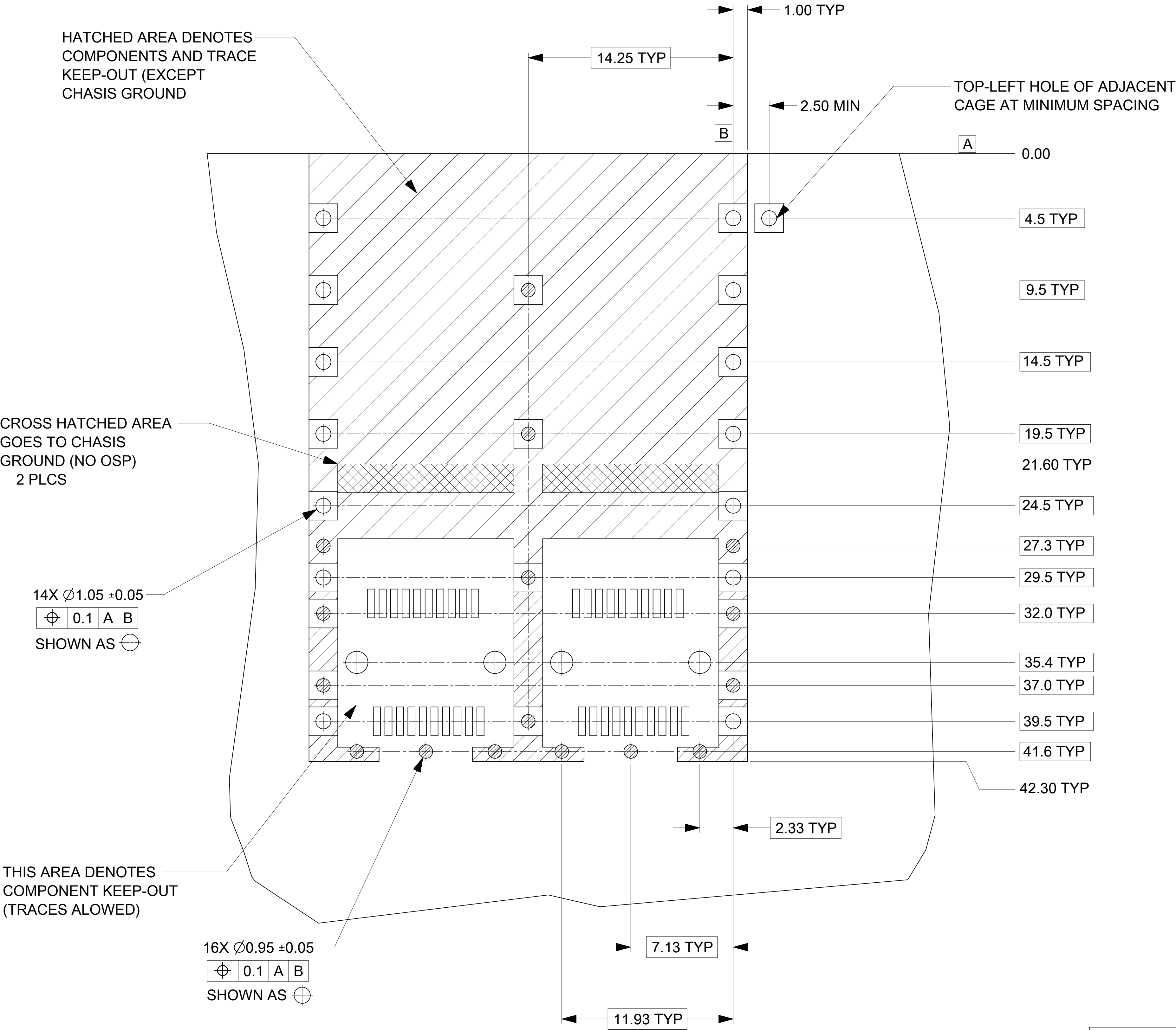
- PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
- RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
- CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
- SPACING BETWEEN PORTS IS 14.25mm
- CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP)
- HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)
- 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

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: OBSOLETE PART NUMBER AS PER PCN#509457.		molex			
mm		5:1				SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS			
GENERAL TOLERANCES (UNLESS SPECIFIED)						PRODUCT CUSTOMER DRAWING			
	MM	INCH							
4 PLACES	±	±							
3 PLACES	±	±							
2 PLACES	±	0.13	±						
1 PLACE	±	0.25	±						
0 PLACES	±	±							
ANGULAR TOL			±	°					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		
					D-SIZE		111112		
					MATERIAL NUMBER		CUSTOMER		
					SEE SHEET 4		GENERAL MARKET		
					DOCUMENT NUMBER		REVISION		
					SD-111112-2220		J		
					PSD		001		
					SHEET NUMBER		5 OF 8		

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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



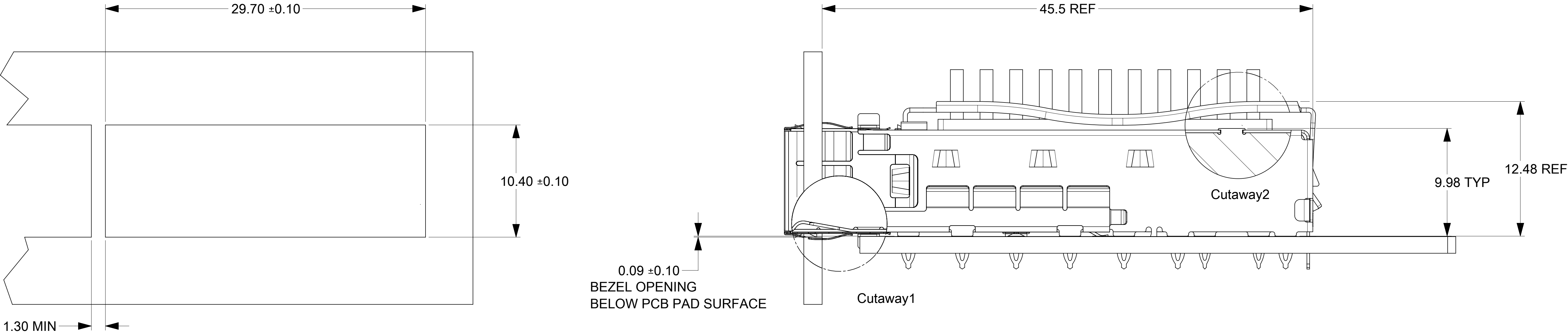
- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND
RECOMMEND PADS TO BE 2.00mm SQUARE
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
 3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
 4. SPACING BETWEEN PORTS IS 14.25mm.
 5. 3.00mm [.118 INCH] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.

THIS DRAWING CONTAINS IMPORTANT INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.				molex					
mm		6:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)								SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS					
		MM	INCH	EC NO: 680890 DRWN: SANTHN 2021/06/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25 INITIAL REVISION: DRWN: JERWIN 2013/11/21 APPR:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
4 PLACES	±		±					SD-111112-2220		PSD	001	J	
3 PLACES	±		±										
2 PLACES	±	0.13	±										
1 PLACE	±	0.25	±										
0 PLACES	±		±										
ANGULAR TOL ± °													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING D-SIZE	SERIES 111112	MATERIAL NUMBER SEE SHEET 4		CUSTOMER GENERAL MARKET		SHEET NUMBER 6 OF 8	

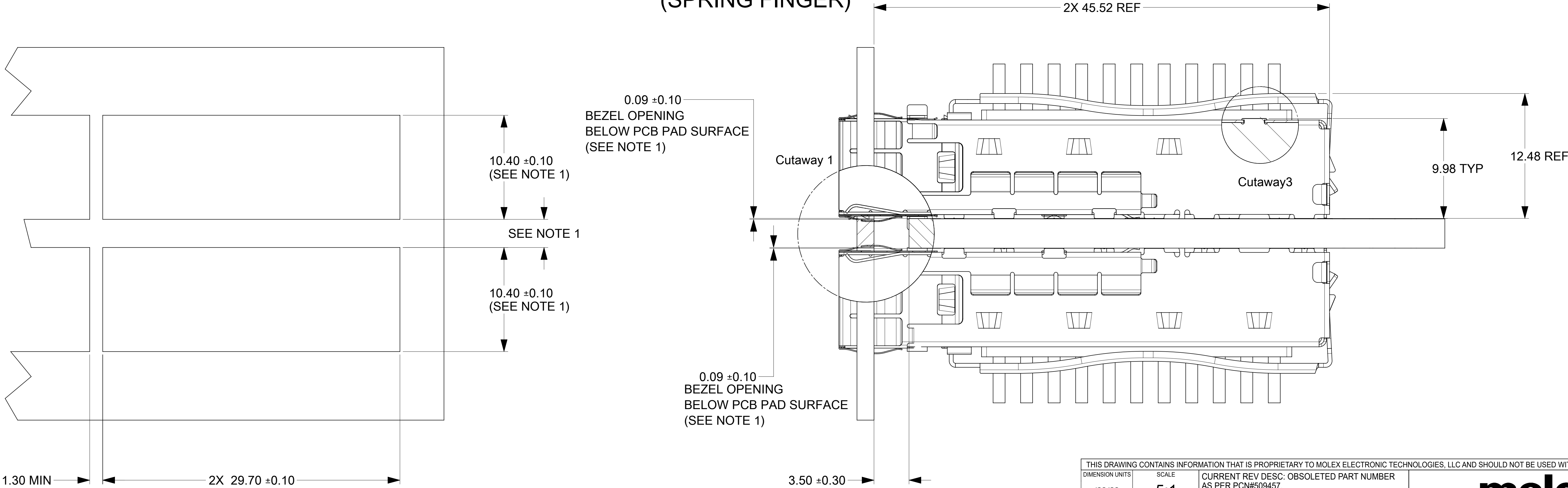
NOTE:
SEE SHEET 5 FOR HOST
CONNECTOR DETAIL

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:18
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BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING
(SPRING FINGER)



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING
(SPRING FINGER)



NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING
BEZEL OPENING SIZE AND LOCATION.
2. CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB.

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: OBSOLETE PART NUMBER AS PER PCN#509457.			molex		
mm		5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 680890 DRWN: SANTHN CHK'D: GGA APPR: GGA INITIAL REVISION: DRWN: JERWIN APPR: THIRD ANGLE PROJECTION   D-SIZE 111112			SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS		
	MM	INCH	PRODUCT CUSTOMER DRAWING						
4 PLACES	±		±				DOCUMENT NUMBER		
3 PLACES	±		±				DOC TYPE		
2 PLACES	±	0.13	±				DOC PART		
1 PLACE	±	0.25	±				REVISION		
0 PLACES	±		±	SD-111112-2220					
ANGULAR TOL ± °				PSD			001	J	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING		CUSTOMER		SHEET NUMBER	
				D-SIZE		GENERAL MARKET		7 OF 8	
				SERIES					
				111112		SEE SHEET 4			

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DATE	REV	DESCRIPTION
2011/06/10	A	INITIAL RELEASE
2011/06/15	A1	SHEET 1: REMOVED HEATSINK OPENING REFERENCE DIMENSIONS AND WEEK 52 REFERENCE; SHEET 4: ADDED NOTES POINTING TO THE INNER WALL COINED OVER THE COVER.
2011/07/22	B	ADDED HOLES IN CAGE FOR LIGHTPIPES; MOVED DATE CODE; REVISED ROHS NOTE 5; CHANGED HEATSINK HEIGHT FROM 8.63 TO 6.5; TABULARIZED PCI, SAN, AND NETWORKING; AND ADDED HEATSINK HEIGHT WITH MODULE INSERTED.
2011/08/19	B1	UPDATED CAGE AND SPRING CLIP MODELS.
2012/10/25	C	SHEET 1: REMOVED HEATSINKS, AND ALL DIMS AND ANNOTATIONS RELATING TO THEM, FROM ALL VIEWS; REMOVED NOTE 6; REMOVED EXPLODED VIEW; REMOVED PART NUMBER TABLE; ADDED TITLE. NEW SHEET 2: ISO VIEWS OF CAGE WITH NO HEATSINKS AND VIEWS WITH EACH OF FOUR TYPES AND SIZES OF HEATSINK; ANNOTATIONS ON EACH VIEW INDICATIING EACH HEATSINK TYPE AND SIZE; RIGHT SIDE VIEW WITH DIM OF HEATSINK HEIGHT; TABLE UNDER EACH VIEW WITH HEATSINK SIZES AND DIMS; NOTE 1; SHEET TITLE. NEW SHEET 3: ISO VIEWS OF CAGE WITH NO HEATSINKS AND VIEWS WITH EACH OF FOUR DIFFERENT TYPES OF HEATSINK; TABLES UNDER EACH VIEW WITH PART NUMBERS OF EACH SIZE; SHEET TITLE.
2014/02/07	D	SHEET 1: REVISED ALL BASE CAGE DETAILS AND VIEWS FROM 111112-0232 TO 74754-0220. REMOVED INSERTION FORCE INTO PCB FROM NOTE 2. REVISED NOTE 4: "WAS" WELD SPOT WILL SHOW SLIGHT MATERIAL DISCOLORATION. "NOW READS" WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION. SHEET 2: REVISED ALL HEAT SINK CAGE ASSEMBLY OPTIONS, ADDED OPEN TOP VIEW WITH DIMENSIONS, AND REAR LEG OPTION VIEW. ADDED SHEET 3 WITH ZSFP+ OPTIONS SHEET 4: ADDED PART NUMBERS 747540220, 1001130220. UPDATED TITLE BLOCK.
2014/08/13	E	SHEET 1: ADDED "REF" TO DIM 10.85 AND 28.25. ADDED 14.0 ±0.1. MOVED "MINIMUM PCB THICKNESS" NOTES FROM SHEET 1 TO SHEETS 5 AND 6.
2014/08/21	F	SHEET 1: ADDED 747540247 NO NEED PRINTED @C6. SHEET 1: ADDED P/N AND DATE CODE PRINTED NOTE @D11. SHEET 4: ADDED P/N 747540247 IN TABLE @I18.
2015/02/26	G	SHEET 3: ADDED NOTE 1 "UNDER BELLY GASKET IS UL94 V-0 RATED." SHEET 4: ADDED "5 WELD POINTS" INTO 747540220 @I17. SHEET 4: ADDED P/N 747540222 @I17. SHEET 7: ADDED NOTE 2 "CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB."
2015/08/26	H	SHEET 2: E3 : ADDED NEW CUSTOM FIN HEATSINK ISOVIEW SHEET 4: E3 : ADDED PART NO. 111112-6221 ISOVIEW MODIFIED PCB LAYOUT PER SFF-8433 SHEET 5: K19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 D17 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 SHEET 6: G19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 B18 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1
2021/06/24	J	OBSOLETED P/N ARE REMOVED 1111126221, 1111121220, 1111123220, 1111124220, 1111125220, 1111126220, 1111128220, 1111129220.

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DIMENSION UNITS

mm

SCALE

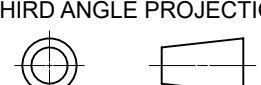
2:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.13	±
1 PLACE	± 0.25	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

THIRD ANGLE PROJECTION



CURRENT REV DESC: OBSOLETED PART NUMBER
AS PER PCN#509457.

EC NO: 680890

DRWN: SANTHN

CHK'D: GGA

APPR: GGA

2021/06/24

2021/11/25

2021/11/25

INITIAL REVISION:

DRWN: JERWIN

APPR:

2013/11/21

DOCUMENT NUMBER

SD-111112-2220

DOC TYPE

PSD

DOC PART

001

REVISION

J

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

SEE SHEET 4

CUSTOMER

GENERAL MARKET

SHEET NUMBER

8 OF 8

DOCUMENT STATUS

P1

RELEASE DATE

2021/11/25 12:19:18

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