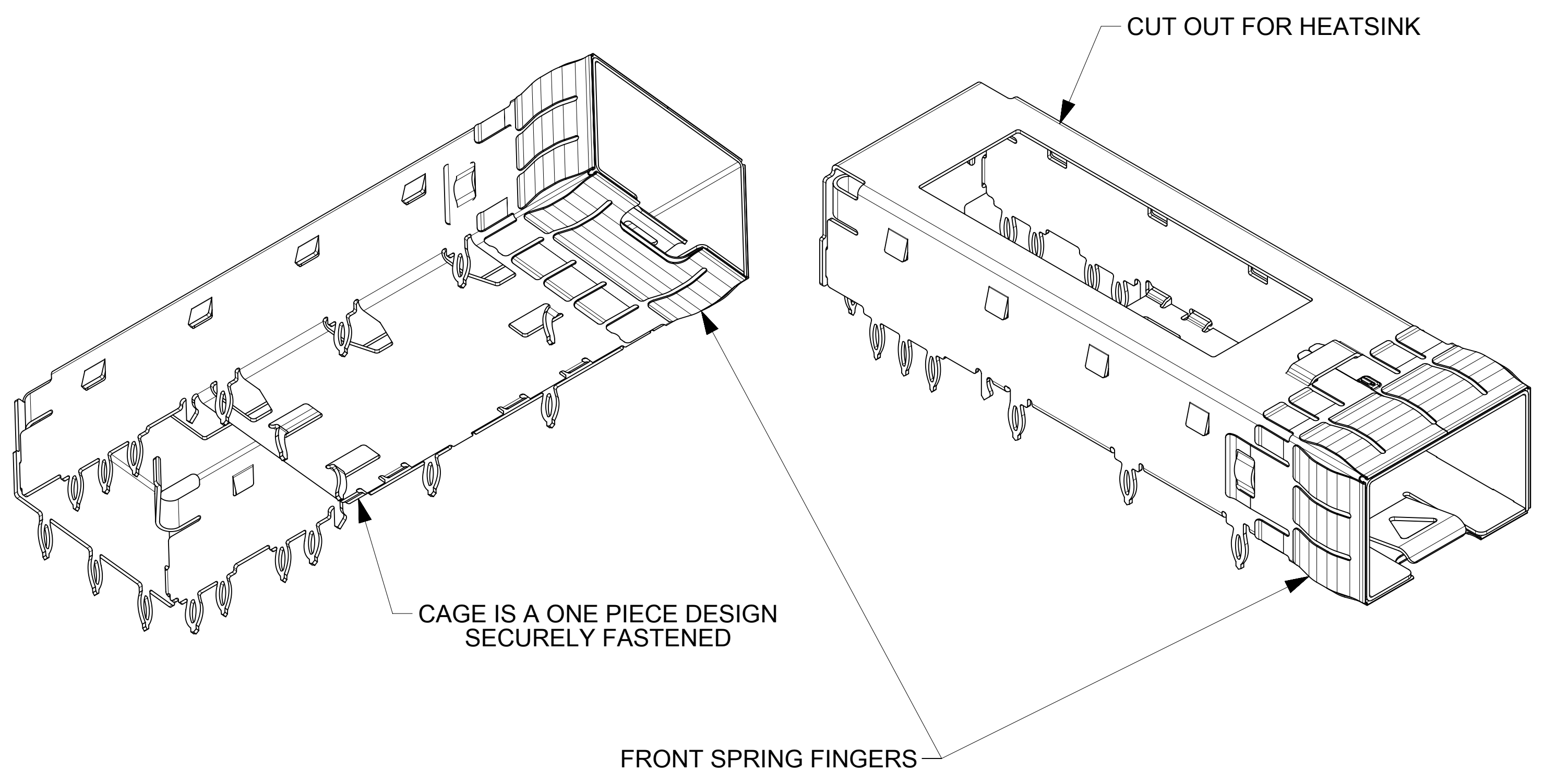
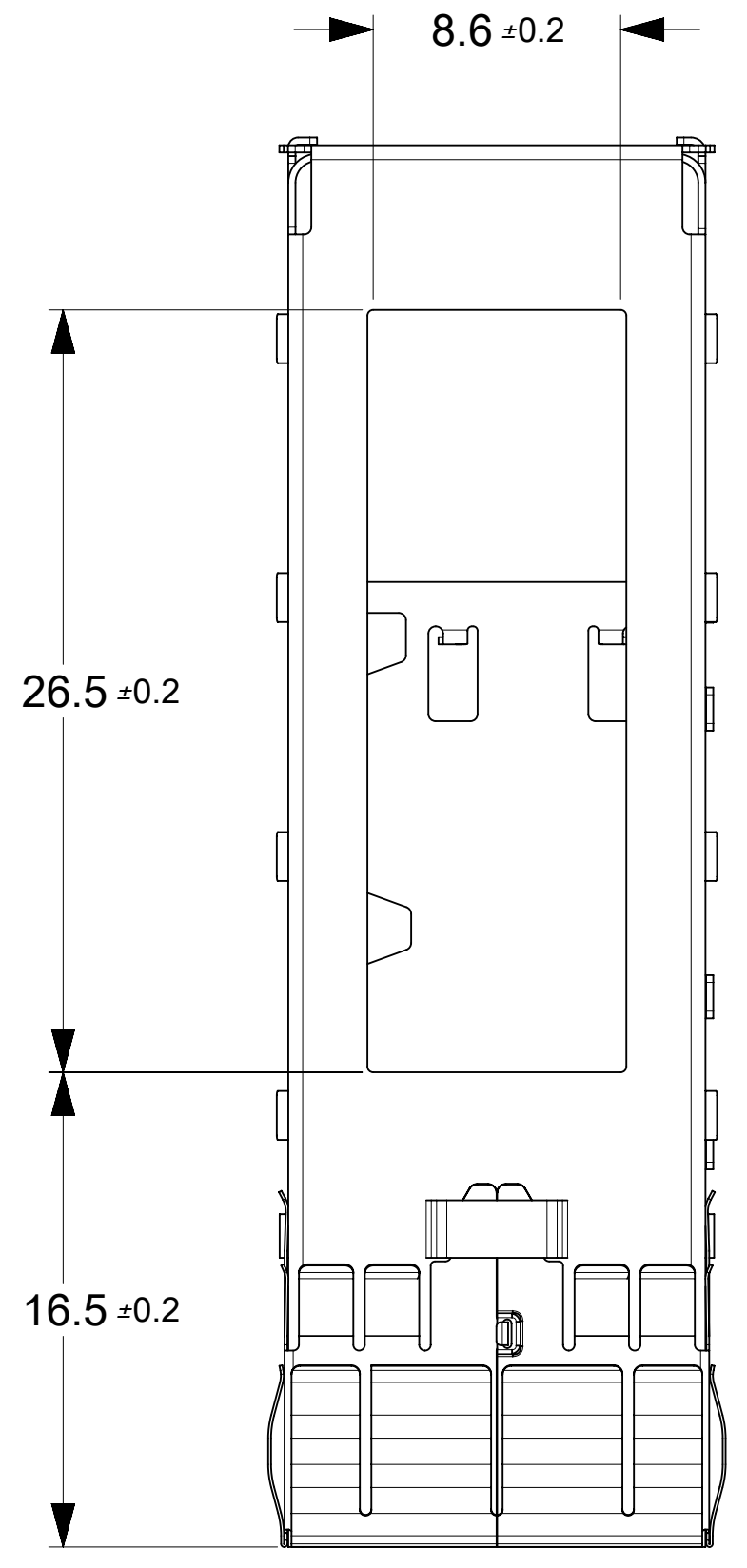
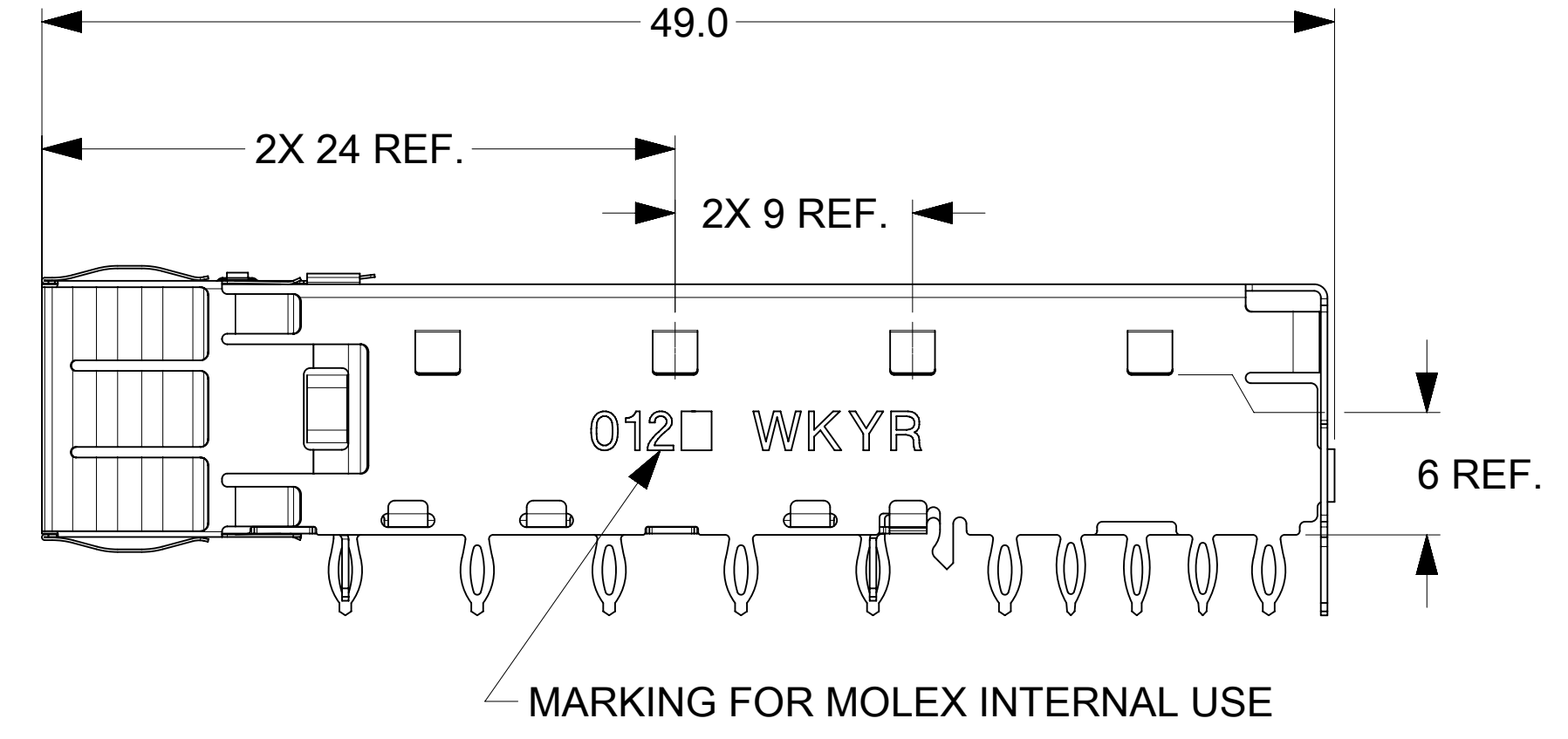
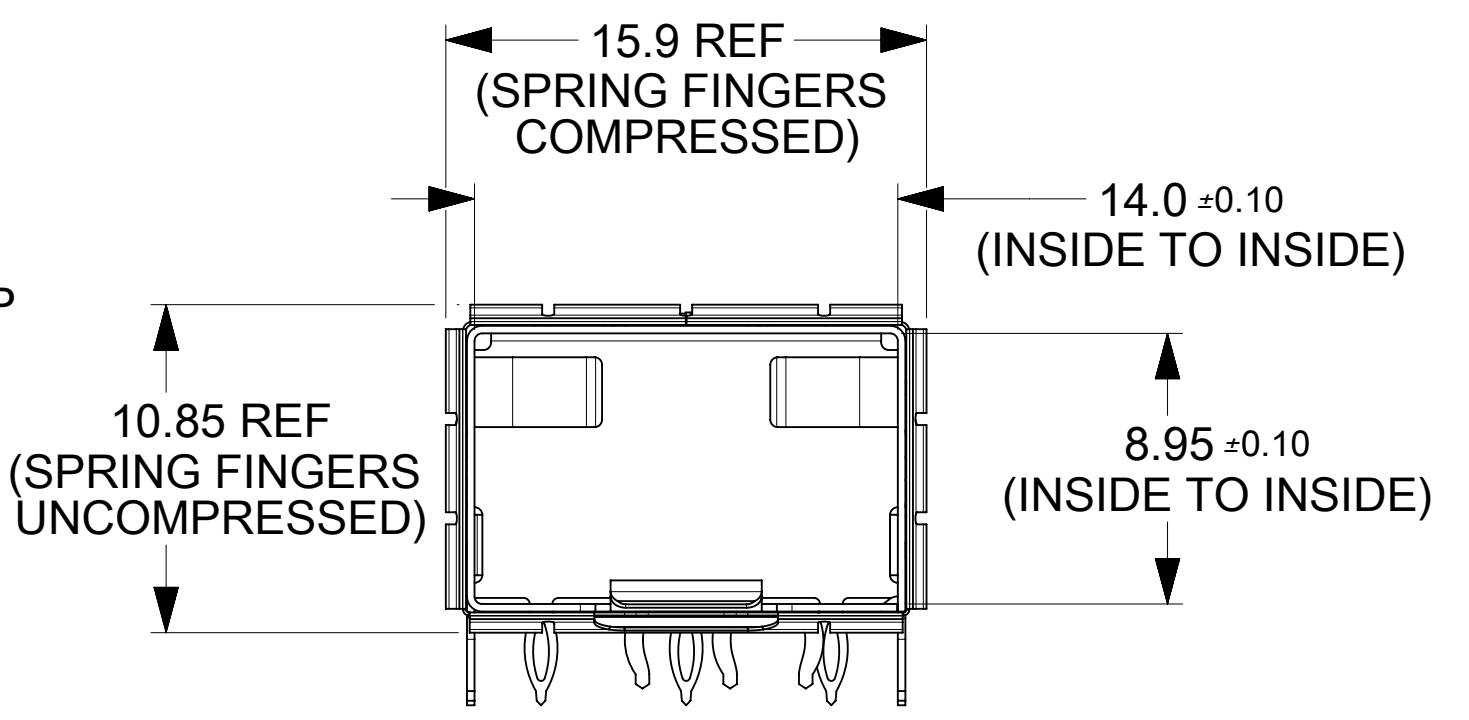
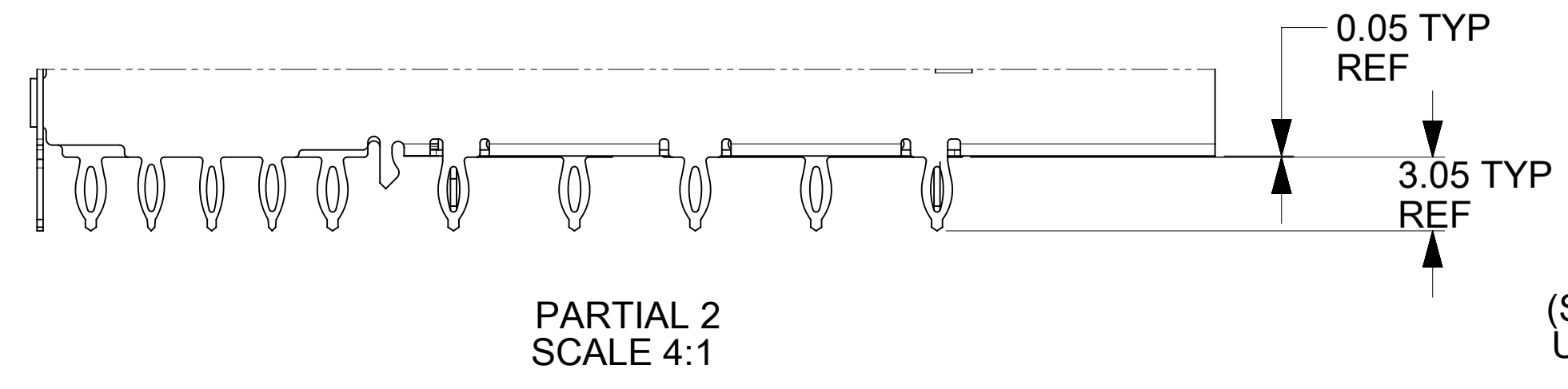


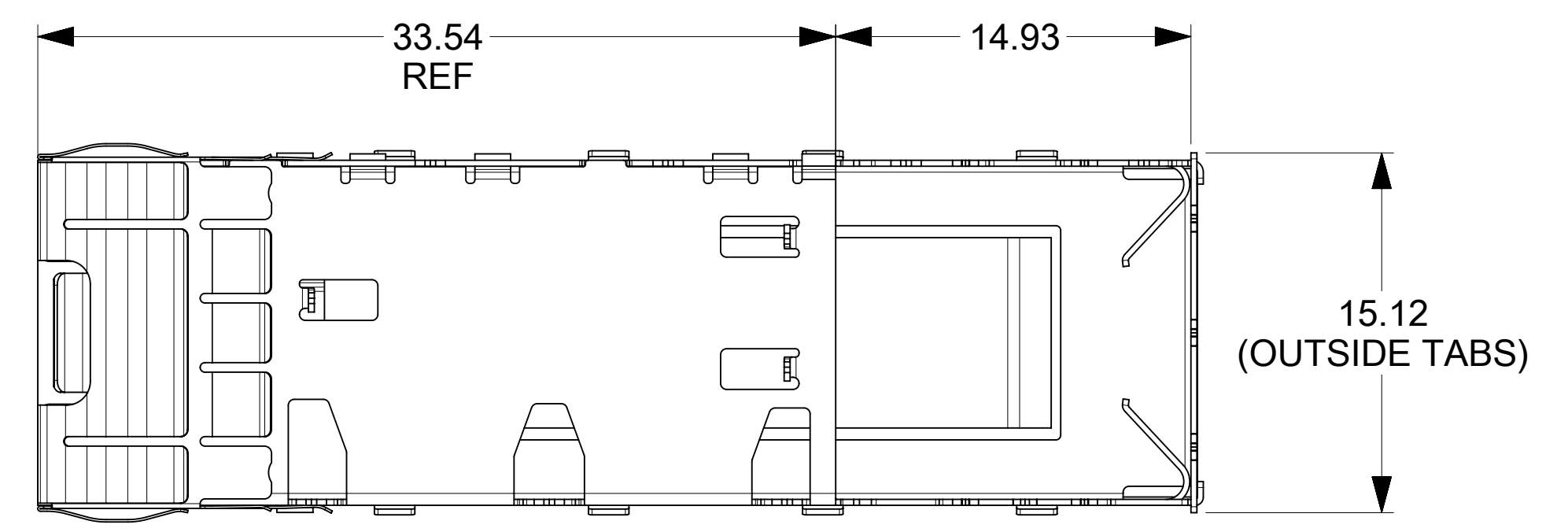
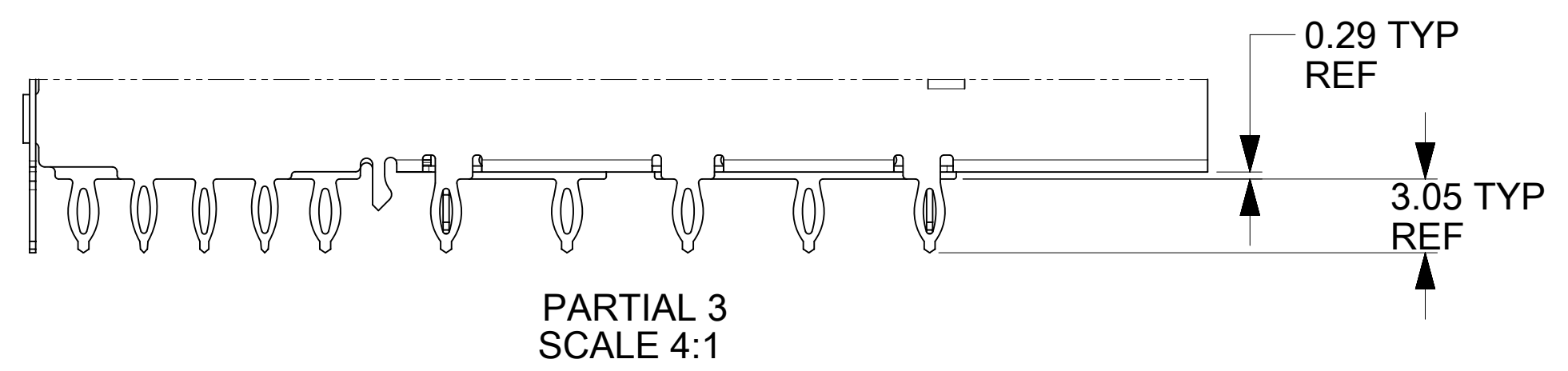
HEATSINK AND HEATSINK SPRING CLIP
REMOVED TO SHOW CAGE DETAIL
PART NUMBER 111112-0101 SHOWN



STANDARD CAGE 111112-0101
(SPRING FINGER REMOVED FROM THIS VIEW FOR CLARITY)



SPECIAL CAGE 111112-0117 WITH LENGTHENED PRESS FIT PINS
(SPRING FINGER REMOVED FROM THIS VIEW FOR CLARITY)



- NOTES:
- MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
FRONT SPRING FINGERS: 0.1mm THICK COPPER ALLOY, NICKEL PLATED.
HEATSINK: ALUMINUM, NICKEL PLATED.
HEATSINK SPRING CLIP: STAINLESS STEEL.
 - PRESS FIT LEGS 3.05mm LONG:
1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
 - 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.
 - WELD SPOTS WILL SHOW SLIGHT MATERIAL DISCOLORATION.
 - NO ROHS EXEMPTIONS.
 - CUSTOM HEATSINKS AVAILABLE UPON REQUEST.
 - CAGE ASSEMBLY, HEATSINK, AND HEATSINK SPRING CLIP SHIPPED ASSEMBLED.
 - THE MOLEX CAGE REQUIRES USING THE MOLEX HEATSINK SPRING CLIP.

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 NO.	
mm	4:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
	MM	INCH	
4 PLACES	±	±	EC NO: 632260
3 PLACES	±	±	DRWN: RPRABHUM 2020/02/03
2 PLACES	±	±	CHK'D: GGA 2020/02/28
1 PLACE	±	±	APPR: GGA 2020/02/28
0 PLACES	±	±	INITIAL REVISION:
ANGULAR TOL	±	1.0°	DRWN: MJPATEL 2011/05/06
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	APPR: KLLOYD 2012/10/31
		DRAWING	SERIES
		D-SIZE	111112
DOCUMENT STATUS		MATERIAL NUMBER	CUSTOMER
P1	RELEASE DATE	SEE SHEET 2	GENERAL MARKET
2020/02/28	02:41:27	DOCUMENT NUMBER	
		SD-11112-0101	DOC TYPE
		PSD	DOC PART
		001	REVISION
		H1	
		SHEET NUMBER	
		1 OF 5	

111112-2120
SHOWN ASSEMBLED

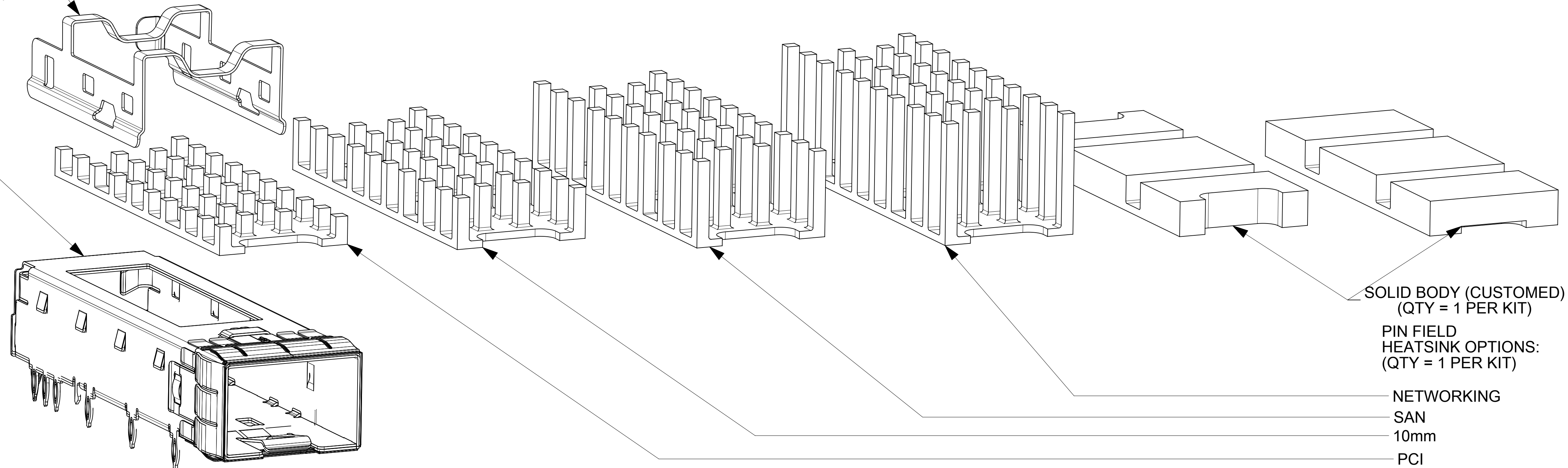
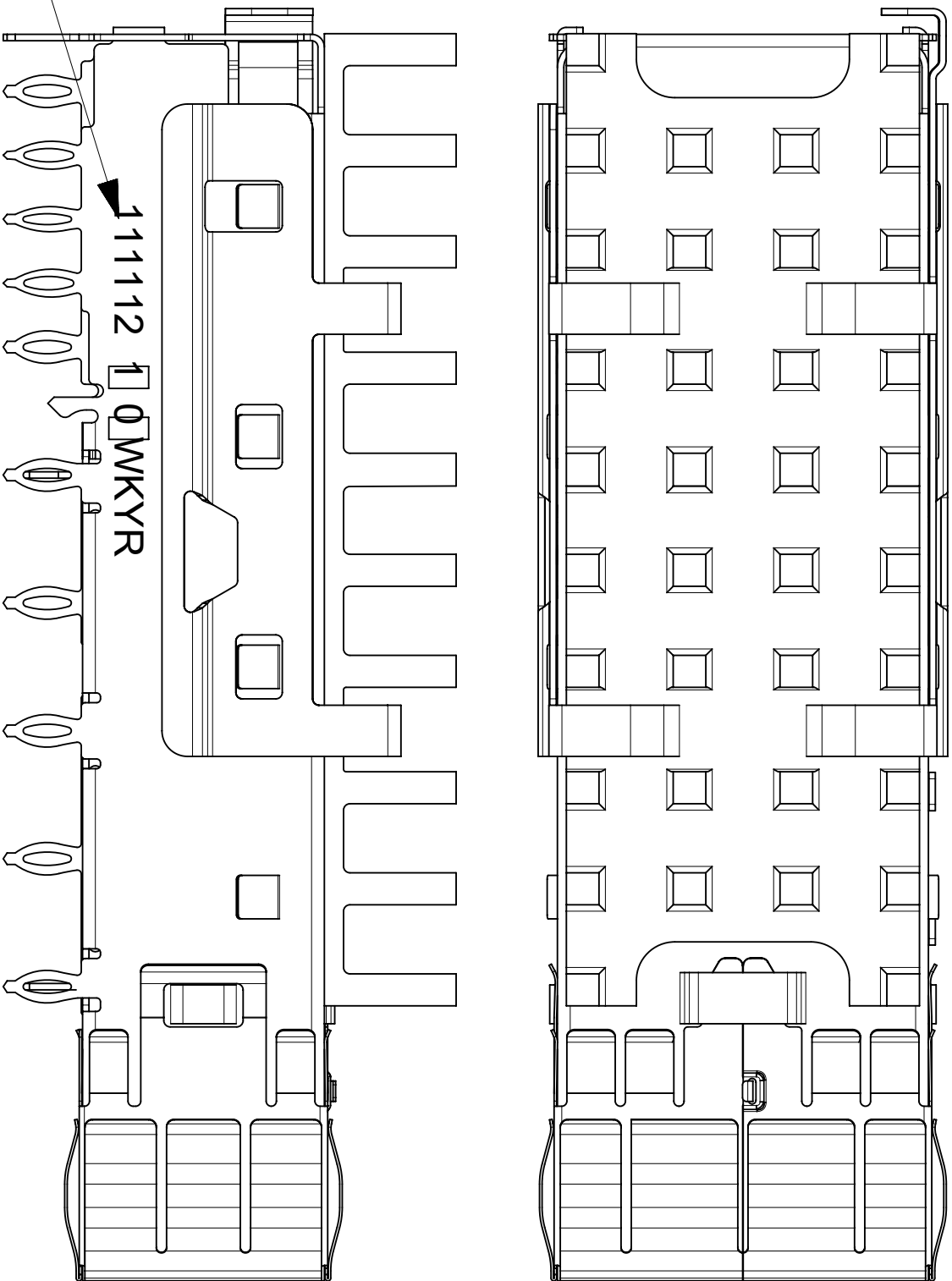
HEATSINK SPRING CLIP
MATERIAL NUMBER
111112-1001
(REFERENCE)

EXPLODED VIEW

SFP+ CAGE ASSEMBLY
WITH FRONT SPRING FINGERS

CAGE IDENTIFICATION:
KIT MATERIAL NUMBER
DATE CODE:

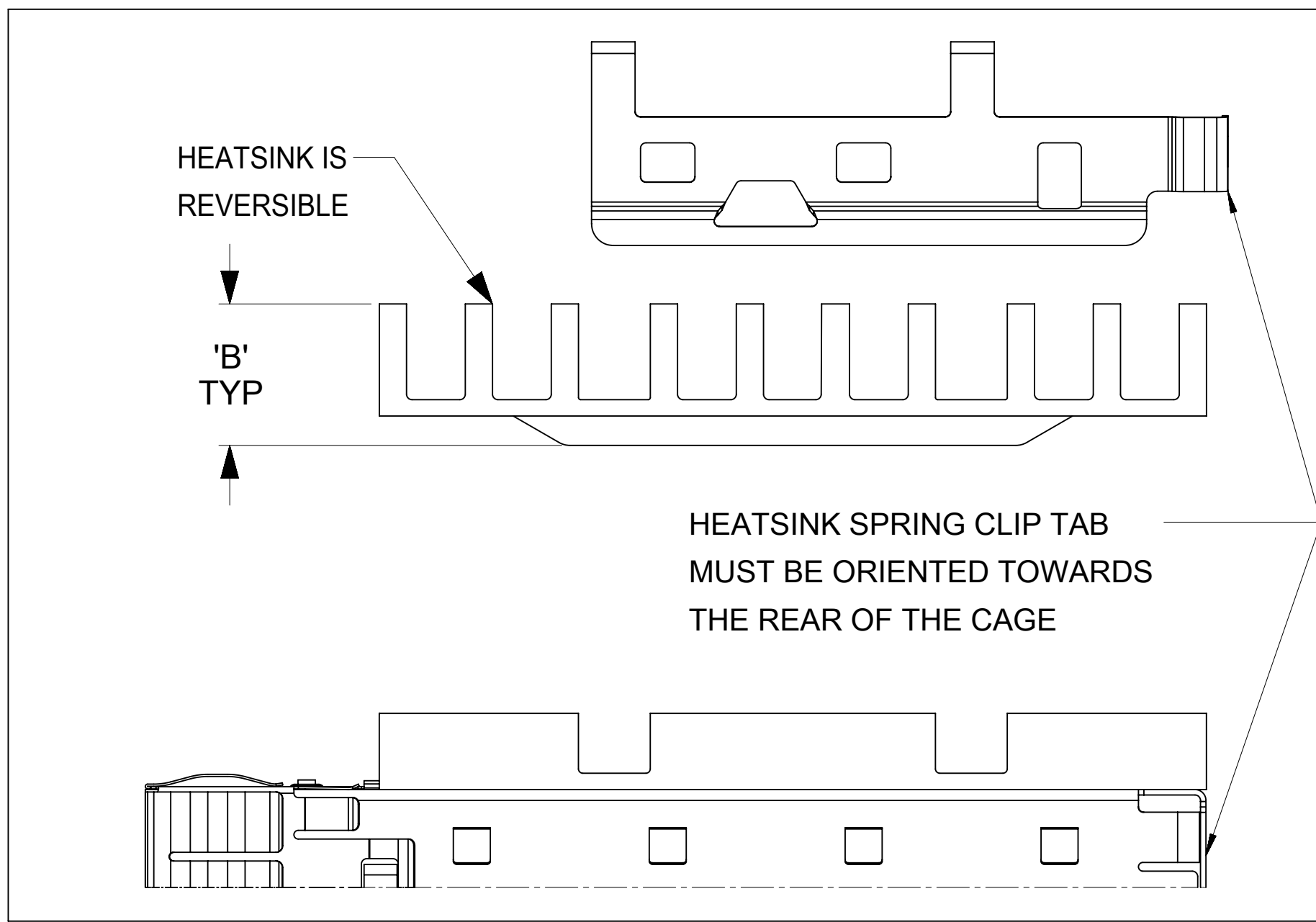
WK = WEEK 01 THROUGH 52.
EXAMPLE: 01 = FIRST WEEK OF YEAR, 52 = LAST WEEK OF YEAR
YR = LAST TWO DIGITS OF THE YEAR. 12, 13, 14,
ETC. EXAMPLE: 2013 = 13.



SOLID BODY (CUSTOMED)
(QTY = 1 PER KIT)

PIN FIELD
HEATSINK OPTIONS:
(QTY = 1 PER KIT)

NETWORKING
SAN
10mm
PCI



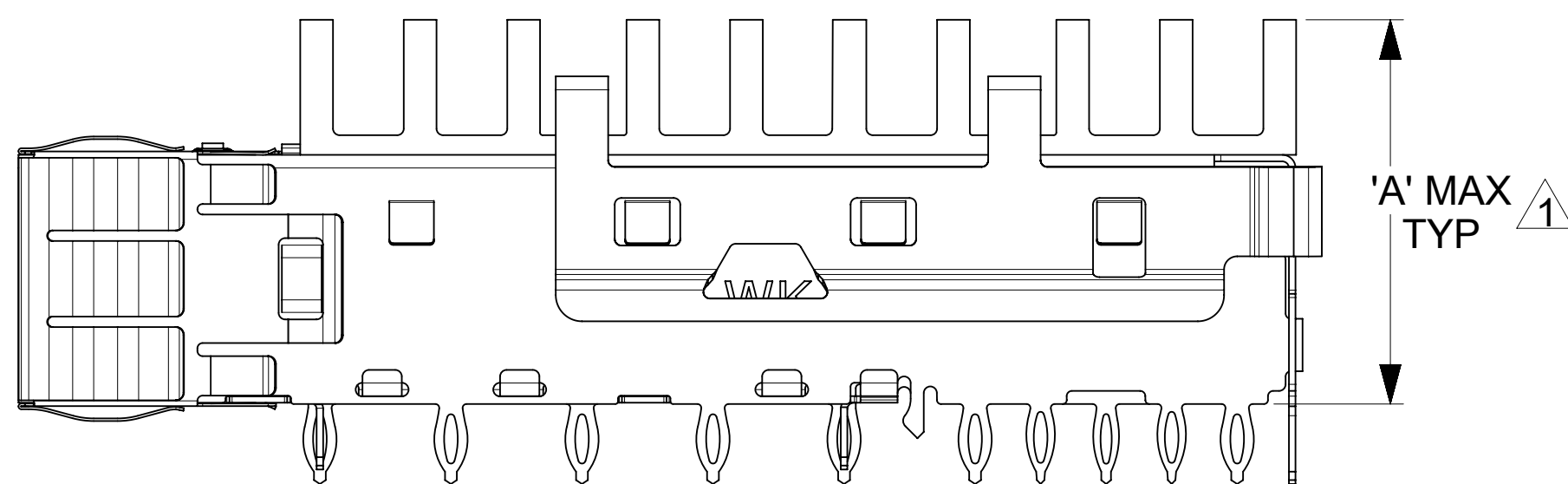
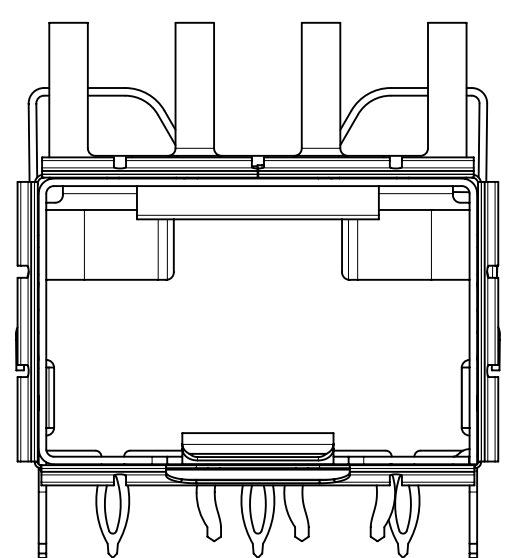
HEATSINK IS
REVERSIBLE

'B'
TYP

HEATSINK SPRING CLIP TAB
MUST BE ORIENTED TOWARDS
THE REAR OF THE CAGE

KIT MAT'L NUMBER	APPLICATION	CAGE ASSY	ASSEMBLED DIM 'A' ¹	HEATSINK DIM 'B' (REF)	HEATSINK MAT'L NO. (REF)	POLYIMIDE GASKET ATTACHED
STANDARD CAGE						
111112-1120	PCI	111112-0101	14.0	4.2	111112-2001	NO
111112-2120	SAN	111112-0101	16.3	6.5	111112-2002	NO
111112-3120	NETWORKING	111112-0101	23.3	13.5	111112-2003	NO
111112-4121	SOLID BODY	111112-0101	14.15	4.4	111112-2030	NO

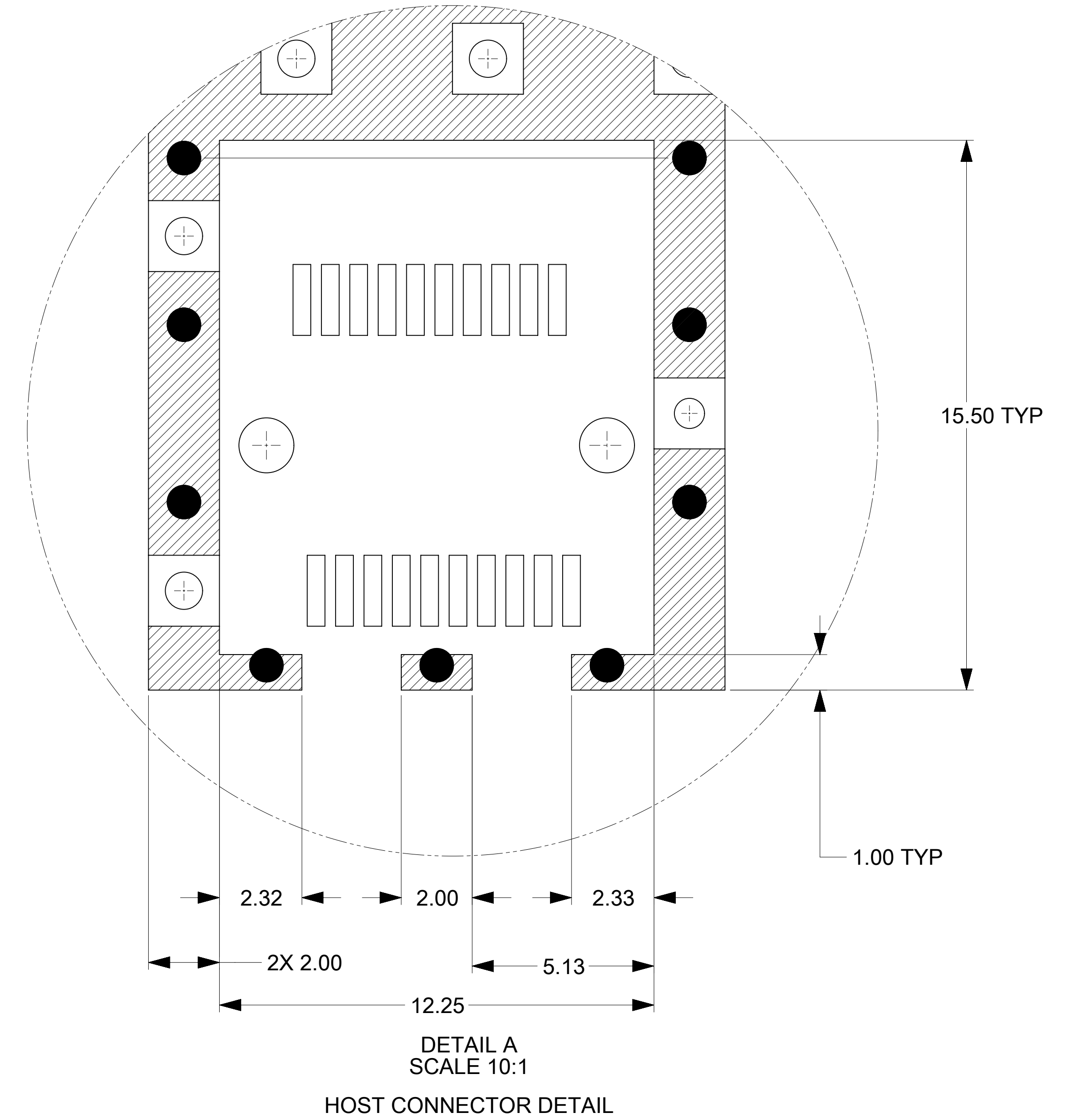
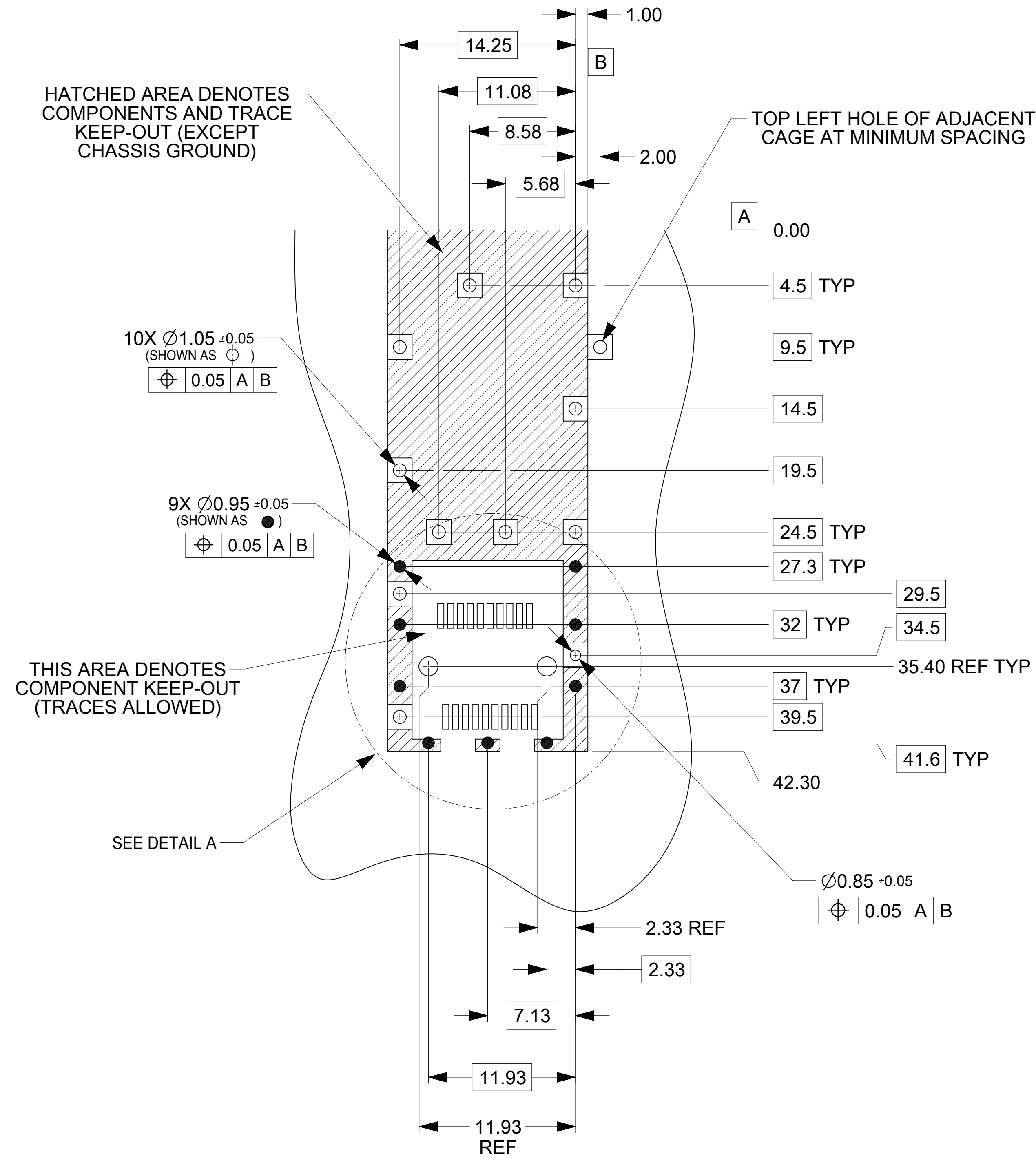
¹ HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.



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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NO.	
mm	4:1		
GENERAL TOLERANCES (UNLESS SPECIFIED)			
	MM	INCH	
4 PLACES	±	±	EC NO: 632260
3 PLACES	±	±	DRWN: RPRABHUM 2020/02/03
2 PLACES	± 0.13	±	CHK'D: GGA 2020/02/28
1 PLACE	± 0.25	±	APPR: GGA 2020/02/28
0 PLACES	±	±	INITIAL REVISION:
ANGULAR TOL	± 1.0°		DRWN: MJ Patel 2011/05/06
			APPR: KLLOYD 2012/10/31
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING SERIES
			D-SIZE 111112
DOCUMENT NUMBER		DOC TYPE	DOC PART
SD-111112-0101		PSD	001
MATERIAL NUMBER		CUSTOMER	REVISION
SEE SHEET 2		GENERAL MARKET	H1
SHEET NUMBER			
2 OF 5			

PCB LAYOUT FOR SINGLE SIDE MOUNT



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 ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NO.							
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
		MM		INCH		EC NO: 632260					
4 PLACES		±		±		DRWN: RPRABHUM 2020/02/03					
3 PLACES		±		±		CHK'D: GGA 2020/02/28					
2 PLACES		± 0.13		±		APPR: GGA 2020/02/28					
1 PLACE		± 0.25		±		INITIAL REVISION:					
0 PLACES		±		±		DRWN: MJ Patel 2011/05/06					
ANGULAR TOL		± 1.0°		±		APPR: KLLOYD 2012/10/31					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
						D-SIZE		111112		SEE SHEET 2	
						GENERAL MARKET		CUSTOMER		SHEET NUMBER	
										3 OF 5	

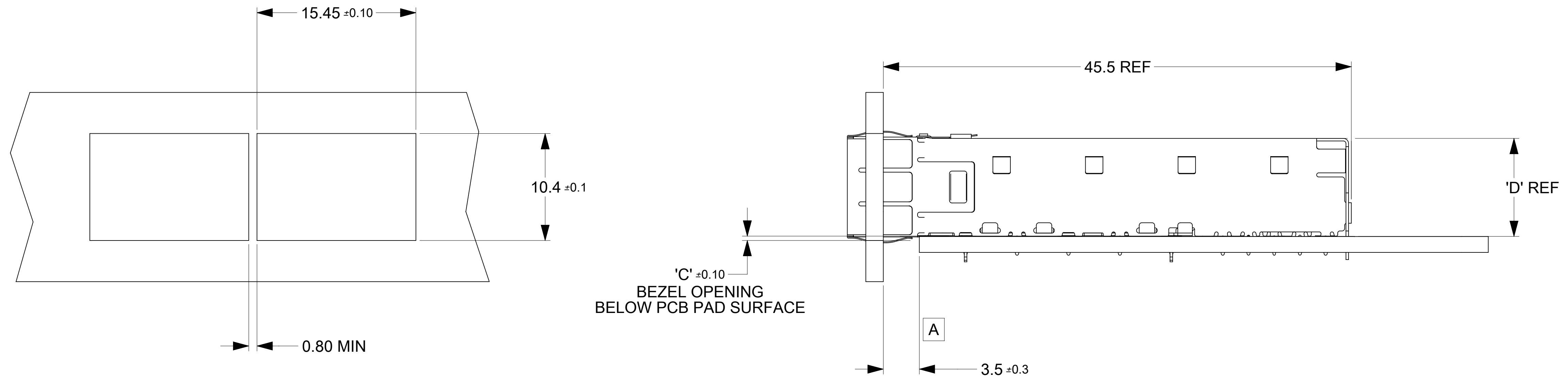
molex

SFP+ 1X1 CAGE KITS,
EMI SPRING FINGERS, WITH HEATSINKS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-111112-0101	PSD	001	H1

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING
(SPRING FINGER)

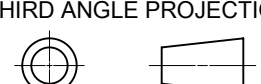


CAGE STYLE	CAGE ASSY	DIM 'C'	DIM 'D'
STANDARD CAGE	111112-0101	0.43	9.50

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DIMENSION UNITS mm	SCALE 1:1	CURRENT REV DESC: OBSOLETE PART NO.		molex			
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 632260					
	MM	INCH	DRWN: RPRABHUM	2020/02/03		PRODUCT CUSTOMER DRAWING	
4 PLACES	±	±	CHK'D: GGA	2020/02/28		DOCUMENT NUMBER	
3 PLACES	±	±	APPR: GGA	2020/02/28		DOC TYPE	
2 PLACES	±	0.13	INITIAL REVISION:		DOC PART		REVISION
1 PLACE	±	0.25	DRWN: MJPATEL		001		H1
0 PLACES	±	±	APPR: KLLOYD		2011/05/06		SD-111112-0101
ANGULAR TOL		± 1.0 °	SERIES		2012/10/31		PSD
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			D-SIZE	111112	SEE SHEET 2	GENERAL MARKET	4 OF 5

DATE (YEAR/MONTH/DAY)	REVISION	COMMENTS
2011/05/06	A	INITIAL DRAWING OF CAGE ONLY.
2012/06/29	A1	CHANGED THE HEATSINK OPENING TO MEET THE DWDM MSA AND ADDED HEATSINKS AND HEATSINK SPRING CLIP FOR KIT PART NUMBERS.
2012/07/18	B	REVISED THE DESIGN: CHANGED HEATSINKS PINS TO MATCH THE SPACING PER THE DWDM MSA, ADDED THE NOTCHED FEATURE TO BOTH SIDES TO BE SYMMETRICAL, CHANGED THE HEATSINK P/N'S, REVISED HEATSINK SPRING CLIP DESIGN, ADDED A 10mm OPTION, ADDED KITS USING CAGE 111112-0117.
2013/01/14	C	ADDED 1111123150 INTO P/N TABLE. [SHT 2]
2014/08/20	D	ADDED A NOTE "SPRING FINGER REMOVED FROM THIS VIEW FOR CLARITY" @ E19 & H19 ON SHEET1. REMOVED "LEAD FREE" FROM NOTE5 @ C20 ON SHEET 1. ADDED A SOLID BODY HEATSINK @ K2 ON SHEET2. ADDED PN: 111112-4120 IN THE PART NUMBER TABLE @ E7 ON SHEET2.
2014/12/16	E	ADDED P/N 111112-3121 IN THE PART NUMBER TABLE. [SHT 2]
2015/01/08	F	CORRECTED TYPO @ C8 & C7. [SHEET2]
2015/03/27	G	SHEET2: K2 ADDED NEW HEATSINK SOILD BODY VIEW F9 ADDED P/N 111112-4121 INTO P/N TABLE
2018/06/19	H	OBSOLETED P/N 1111120117 & 1111123150
2020/02/03	H1	OBSOLETED PART NUMBER 1111123121, 1111120120 & 1111124120

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DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: OBSOLETED PART NO.				molex	
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 632260					
		MM	INCH	DRWN: RPRABHUM		2020/02/03		SFP+ 1X1 CAGE KITS, EMI SPRING FINGERS, WITH HEATSINKS	
4 PLACES ±		±	±	CHK'D: GGA		2020/02/28		PRODUCT CUSTOMER DRAWING	
3 PLACES ±		±	±	APPR: GGA		2020/02/28		DOCUMENT NUMBER	
2 PLACES ±		0.13	±	INITIAL REVISION:		DRWN: MJPATEL		SD-111112-0101	
1 PLACE ±		0.25	±	DRWN: MJPATEL		2011/05/06		DOC TYPE	
0 PLACES ±		±	±	APPR: KLLOYD		2012/10/31		DOC PART	
ANGULAR TOL ±		1.0 °		SERIES		111112		REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING		D-SIZE		MATERIAL NUMBER	
				SERIES		111112		CUSTOMER	
				DRAWING		D-SIZE		SEE SHEET 2	
				SERIES		111112		GENERAL MARKET	
				DRAWING		D-SIZE		SHEET NUMBER	
				SERIES		111112		5 OF 5	

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