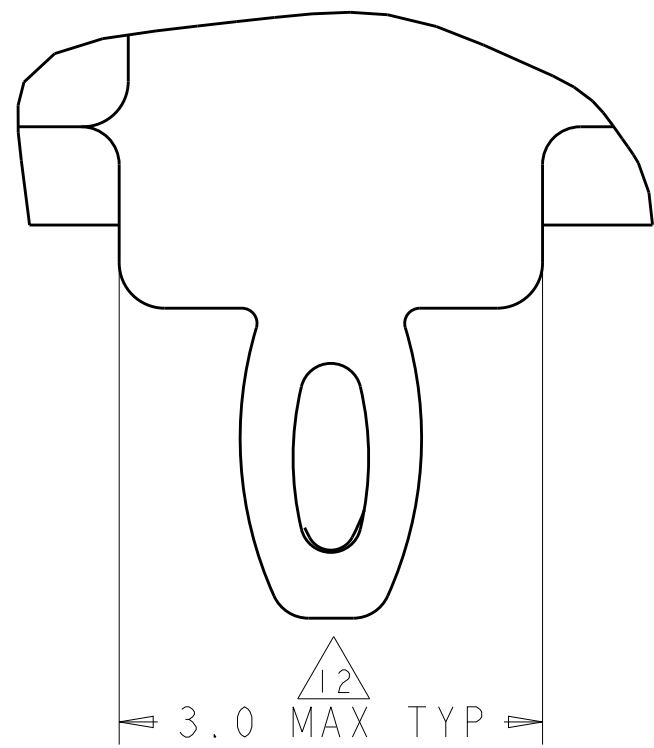


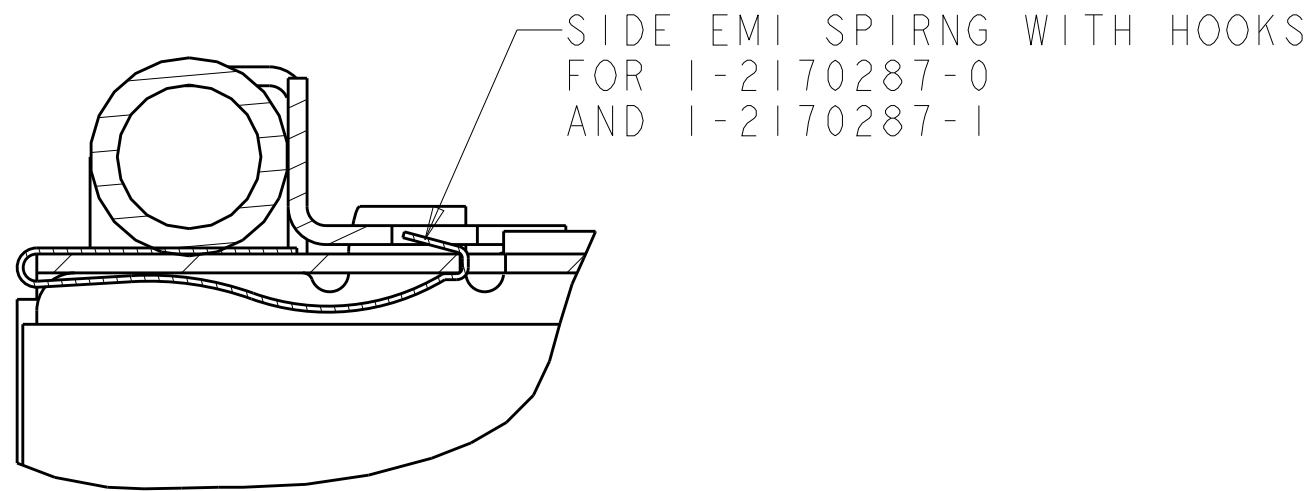
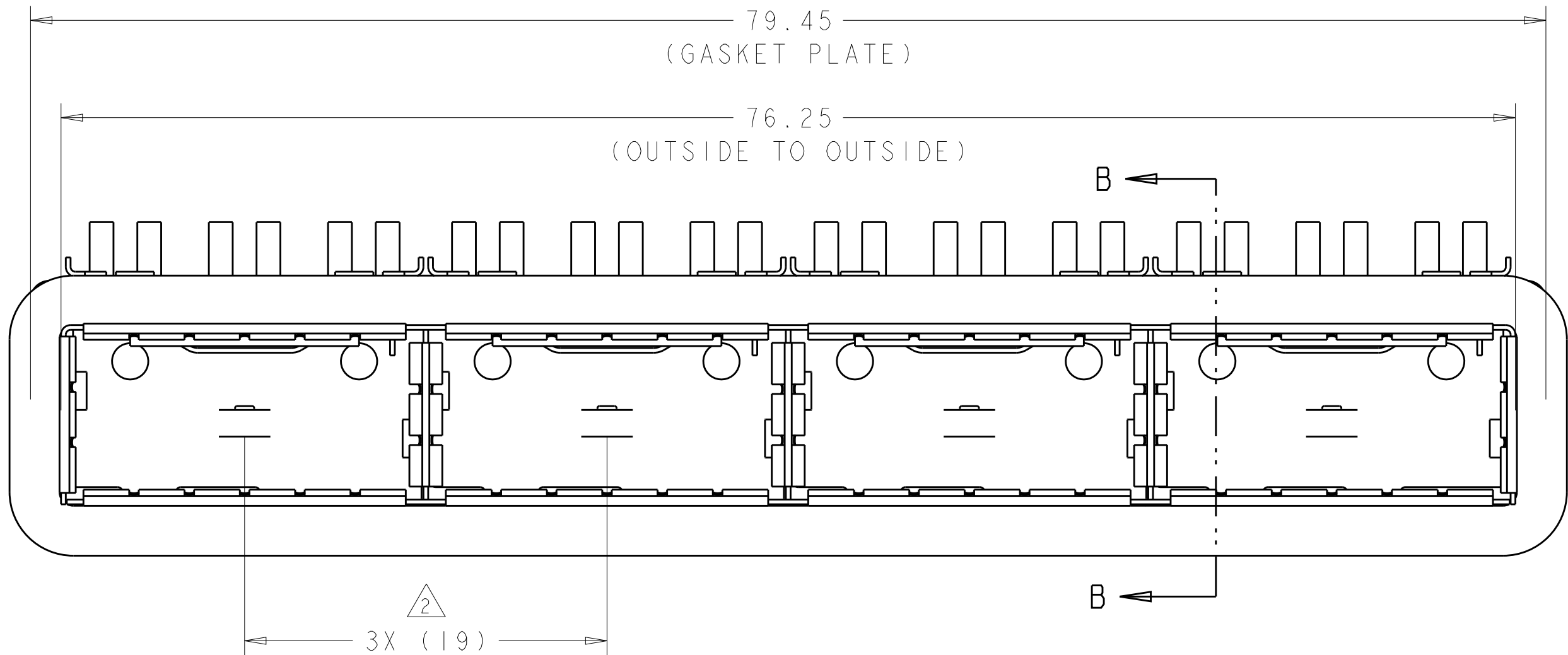
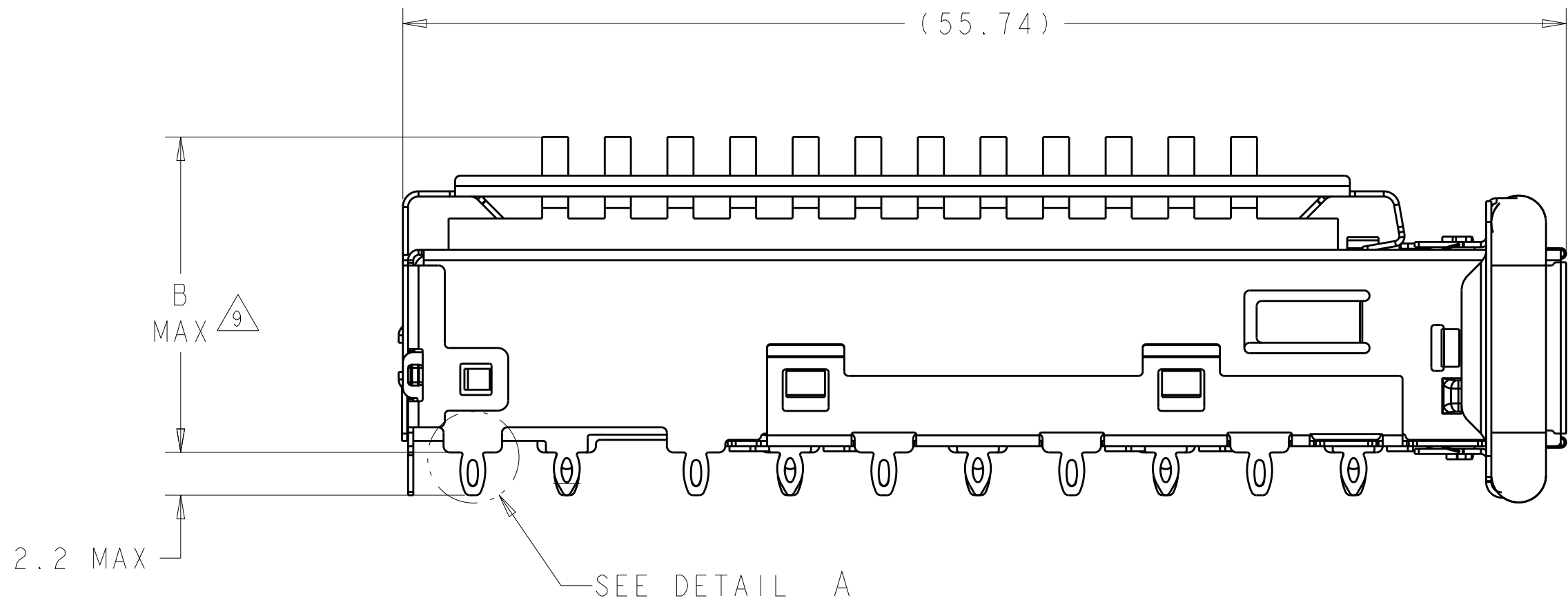
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	RELEASE PER ECO-16-002978	3MAR2016	RG	SH



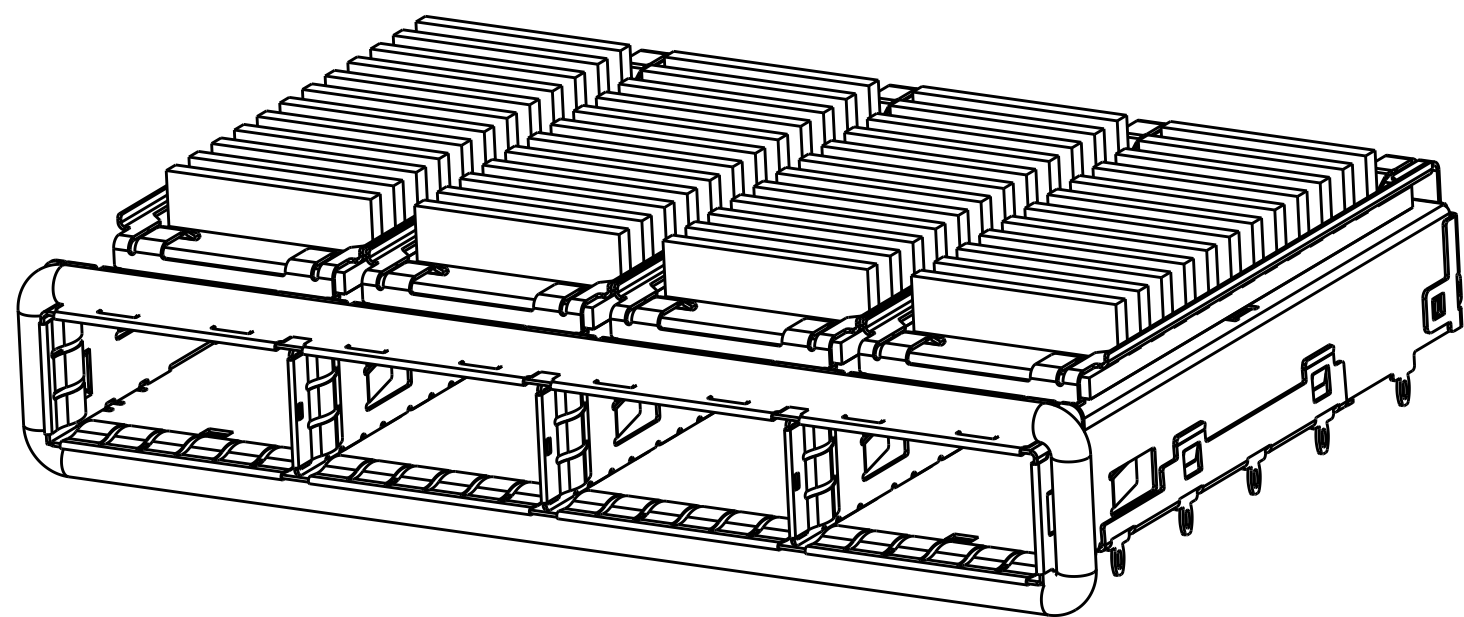
DETAIL A
SCALE 20:1

- ⚠ CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
EMI GASKET MATERIAL: CONDUCTIVE RUBBER,UL 94V-0 RATED
EMI GASKET PLATE MATERIAL: STAINLESS STEEL
- ⚠ PITCH BETWEEN PORTS OF ONE 1X4 CAGE ASSEMBLY.
- ⚠ SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- ⚠ REFERENCE APPLICATION SPEC 114-13217 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- ⚠ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ⚠ DIMENSION F IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MINIMUM THICKNESS = 1.45mm
DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 5.0mm PER CUSTOM.
- ⚠ HEAT SINKS, LIGHT PIPES, AND HEAT SINK CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- ⚠ DATUM **-A-** IS TOP SURFACE OF PC BOARD.
- ⚠ DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- ⚠ UNPLATED THRU HOLE.

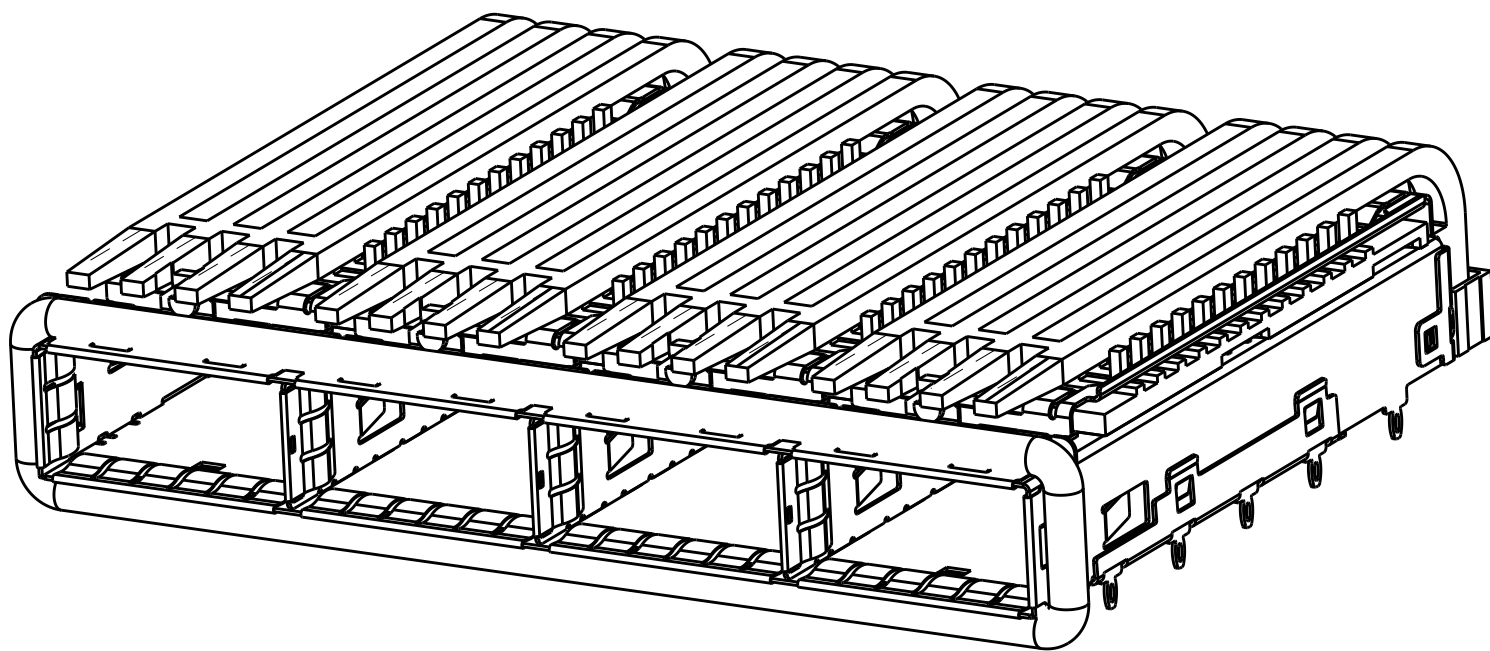
11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- ⚠ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL A, CONTACT PC BOARD.
- ⚠ BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- ⚠ DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.
- ⚠ REFERENCE APP SPEC 114-13217 FOR GASKET THICKNESS CALCULATION.
- ⚠ EMI SPRING FINISH: TIN PLATING OVER NICKEL
HEAT SINK FINISH: ANODIZED OR NICKEL PLATING.



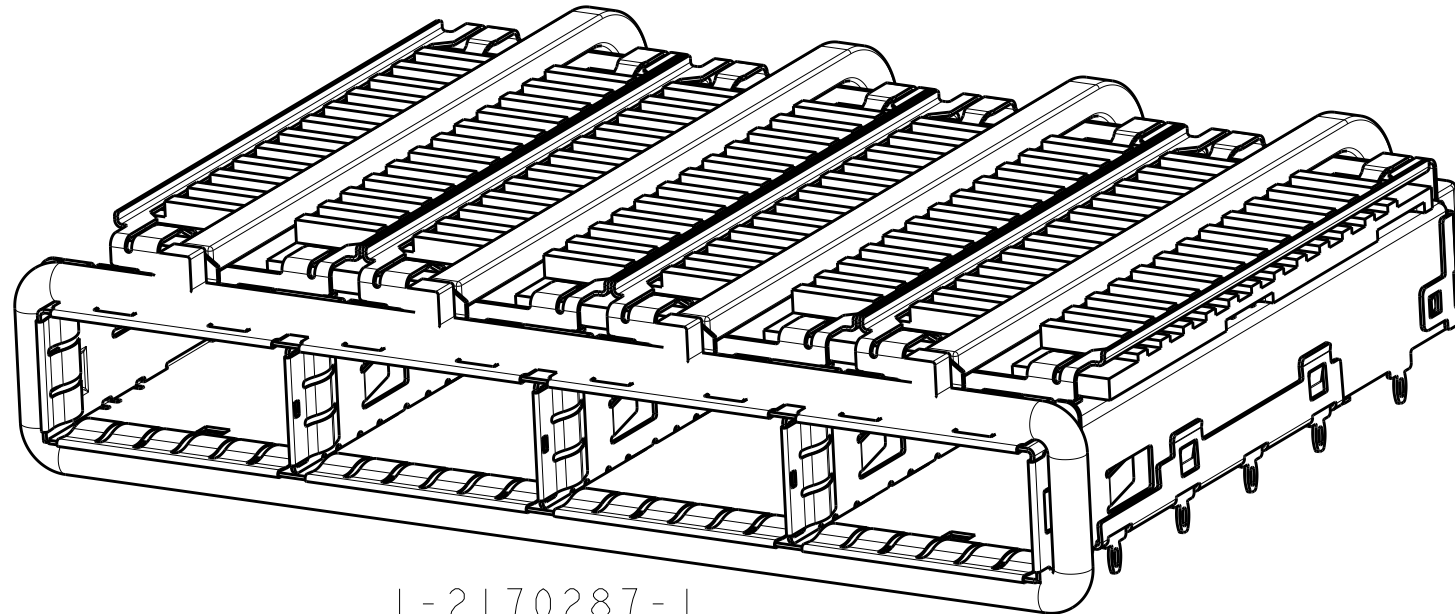
SECTION B-B
SCALE 10:1



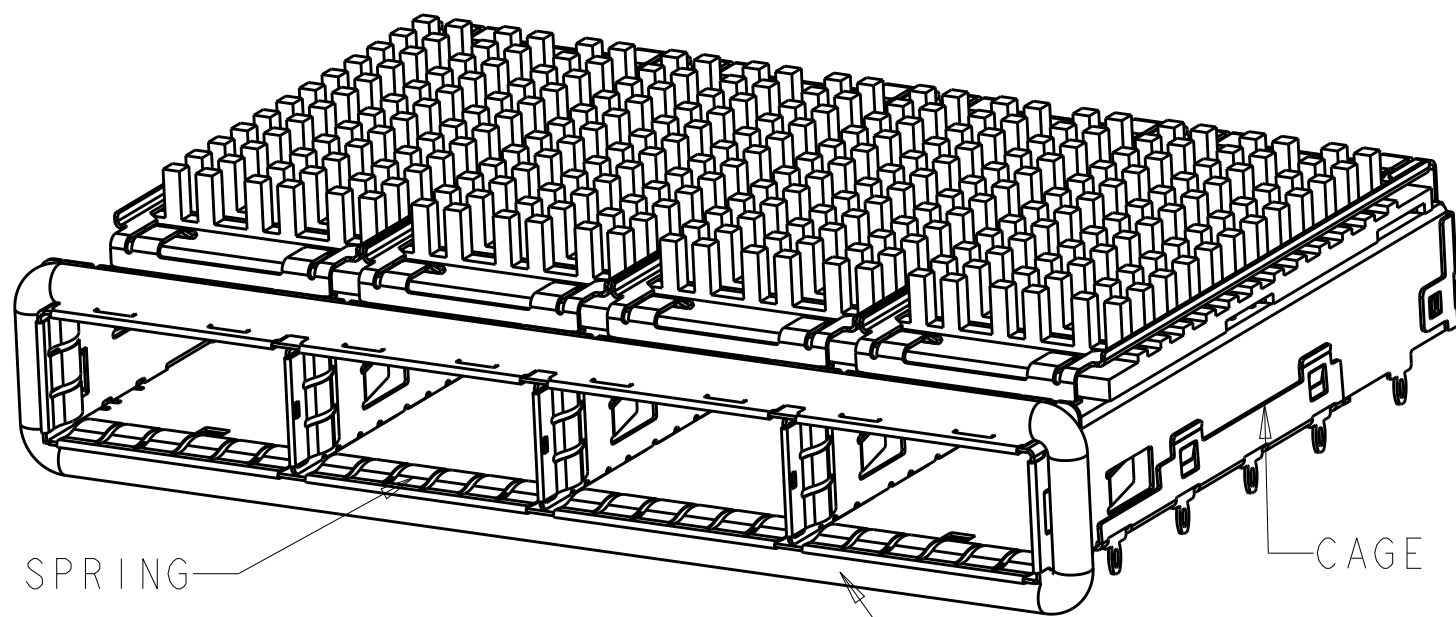
2170287-4, 2170287-5, 2170287-6
SCALE 2:1



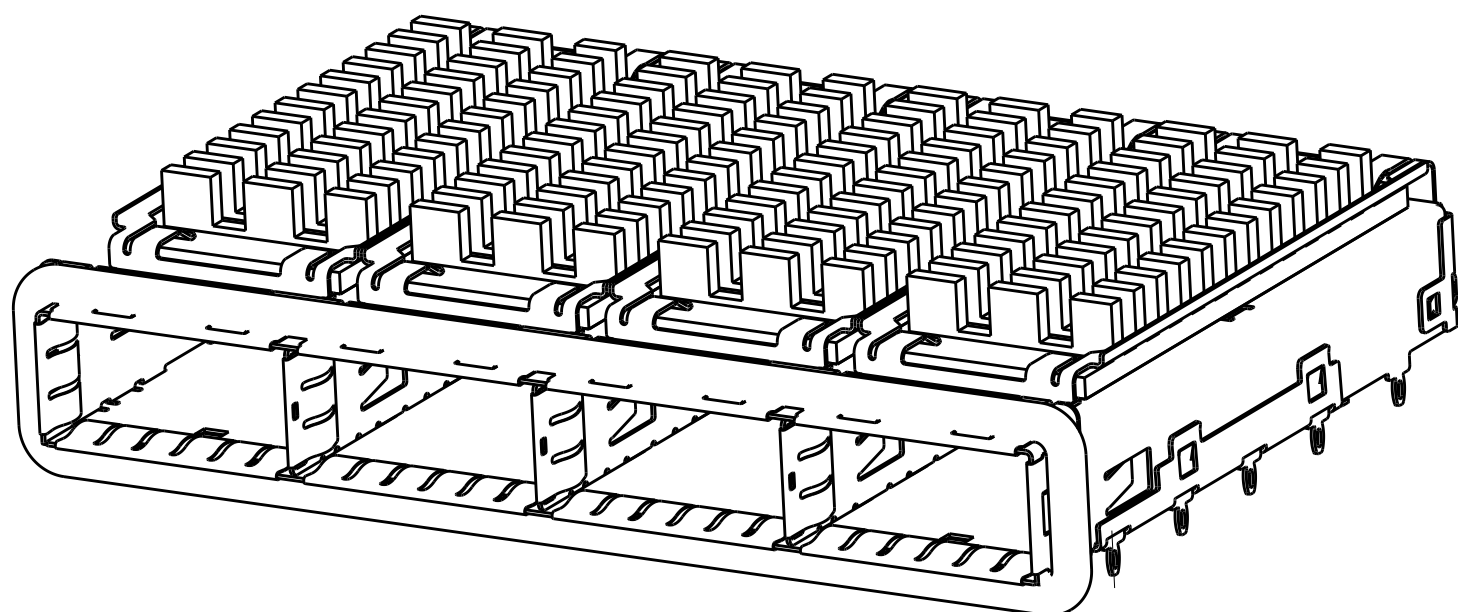
1-2170287-0
SCALE 2:1



1-2170287-1
SCALE 2:1



2170287-1, 2170287-2, 2170287-3
SCALE 2:1

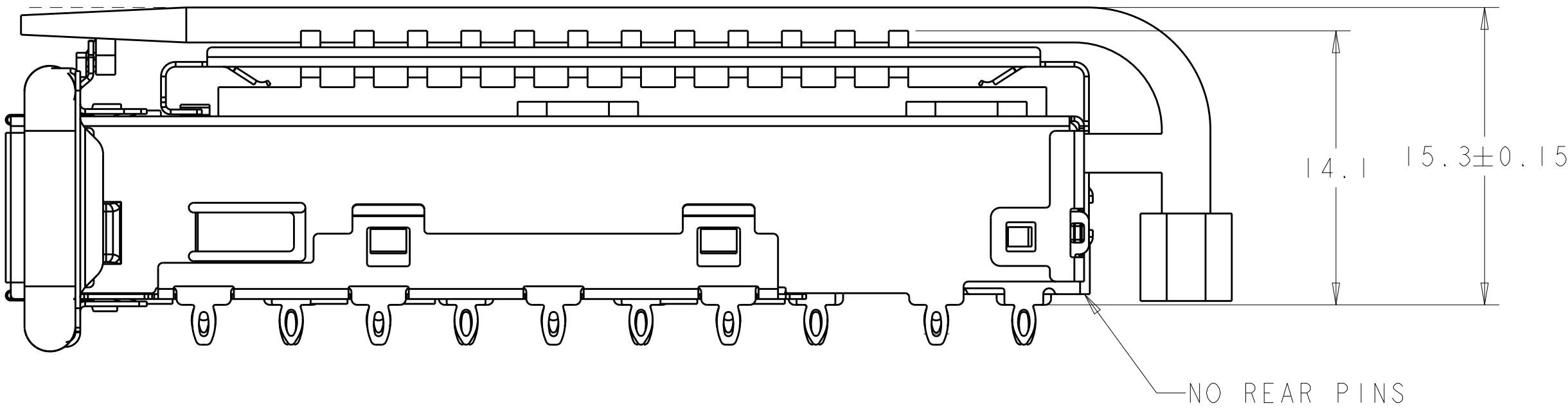
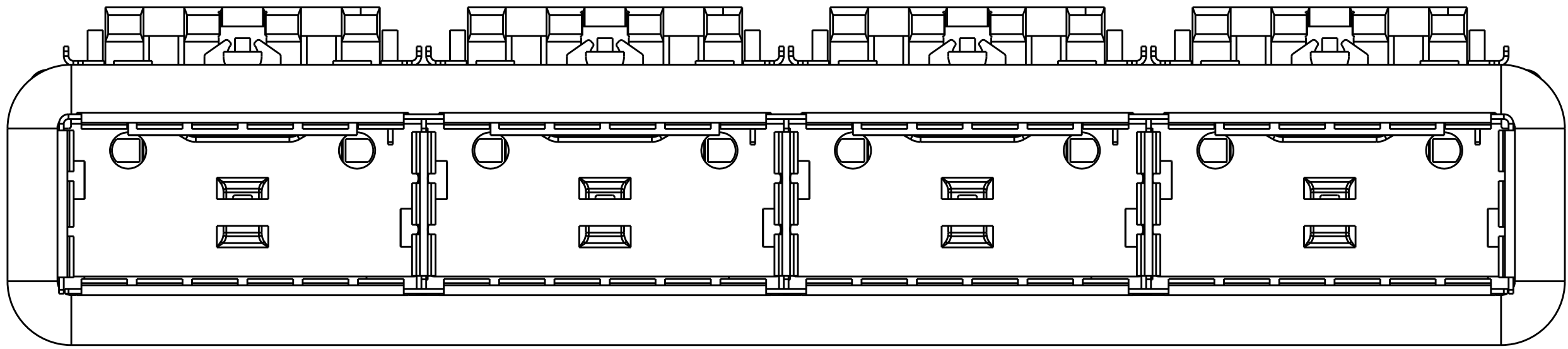


2170287-7, 2170287-8, 2170287-9
SCALE 2:1

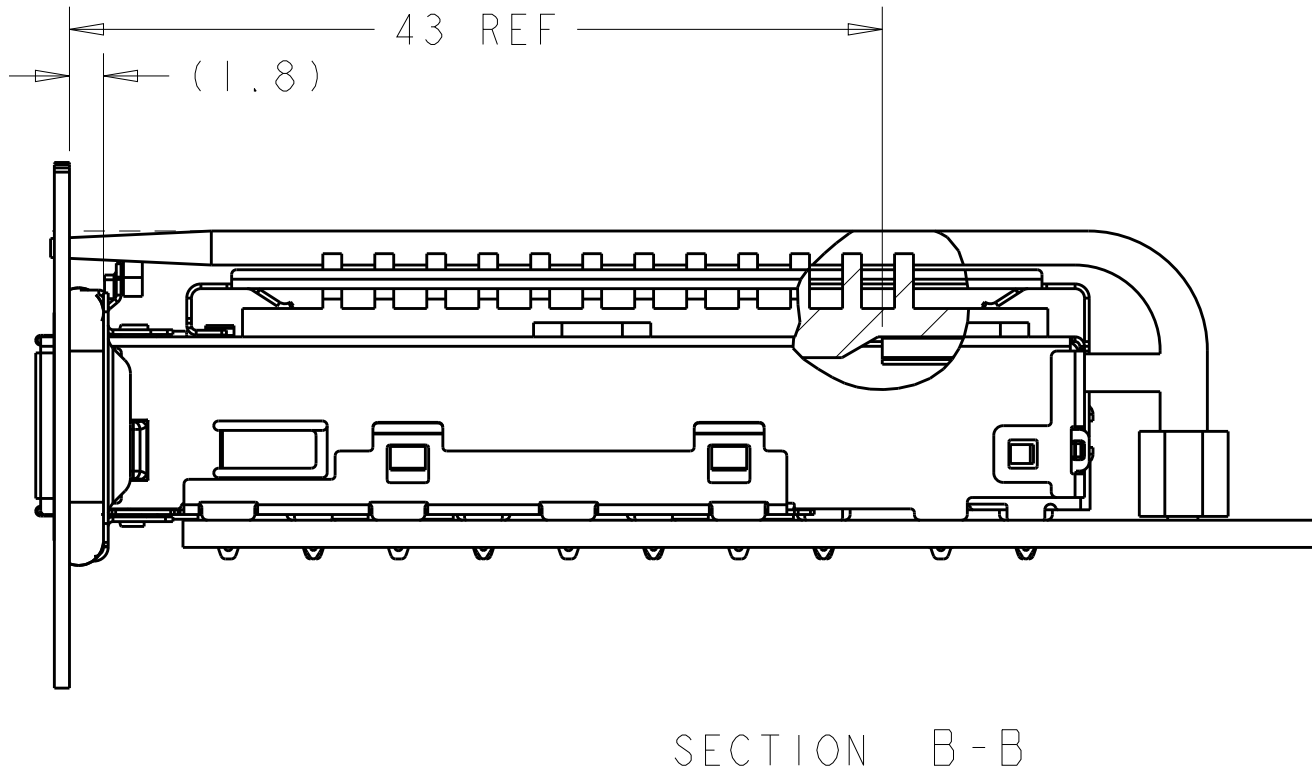
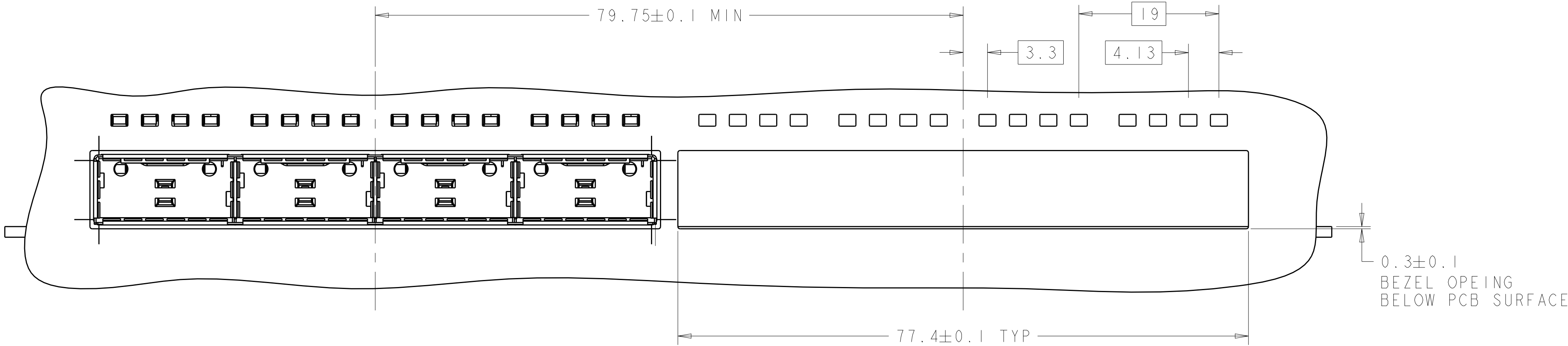
⚠		
13.7	PCI(FIN TYPE)	1-2170287-1
15.0	CUSTOMIZED HEAT SINK	1-2170287-0
23.0	NETWORKING(FIN TYPE)	2170287-9
16.0	SAN(FIN TYPE)	2170287-8
13.7	PCI(FIN TYPE)	2170287-7
23.0	NETWORKING(FIN TYPE)	2170287-6
16.0	SAN(FIN TYPE)	2170287-5
13.7	PCI(FIN TYPE)	2170287-4
23.0	NETWORKING(PIN TYPE)	2170287-3
16.0	SAN(PIN TYPE)	2170287-2
13.7	PCI(PIN TYPE)	2170287-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN CHK DENNY ZHU APVD ALEX CAI	29FEB2012 29FEB2012 29FEB2012	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.35 1 PLC ±0.25 2 PLC ±.25 3 PLC ±.25 4 PLC ±.25 ANGLES ±.25		PRODUCT SPEC	
MATERIAL		FINISH		APPLICATION SPEC	
⚠		⚠		108-2286	
				114-13217	
				WEIGHT	
				A100779	
				CUSTOMER DRAWING	
				SCALE 4:1	
				SHEET 1 OF 8	
				REV A	

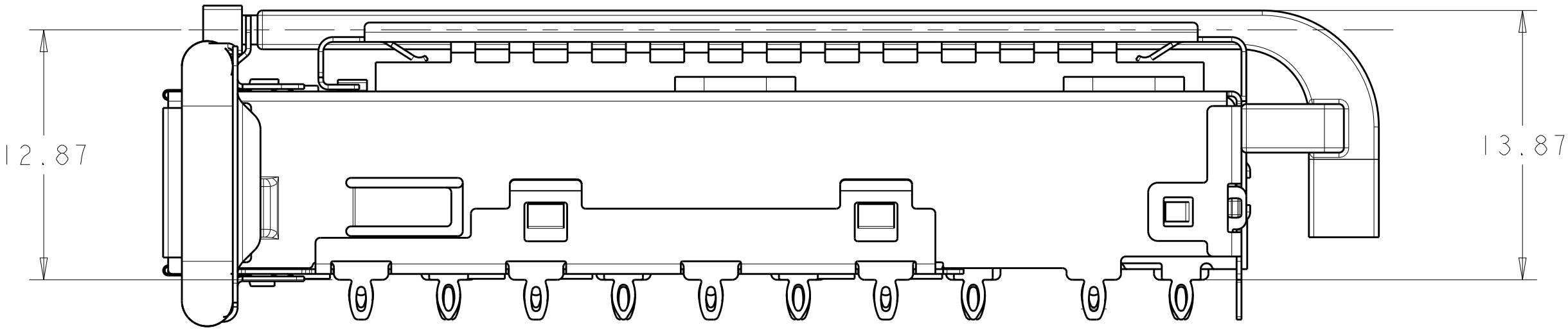
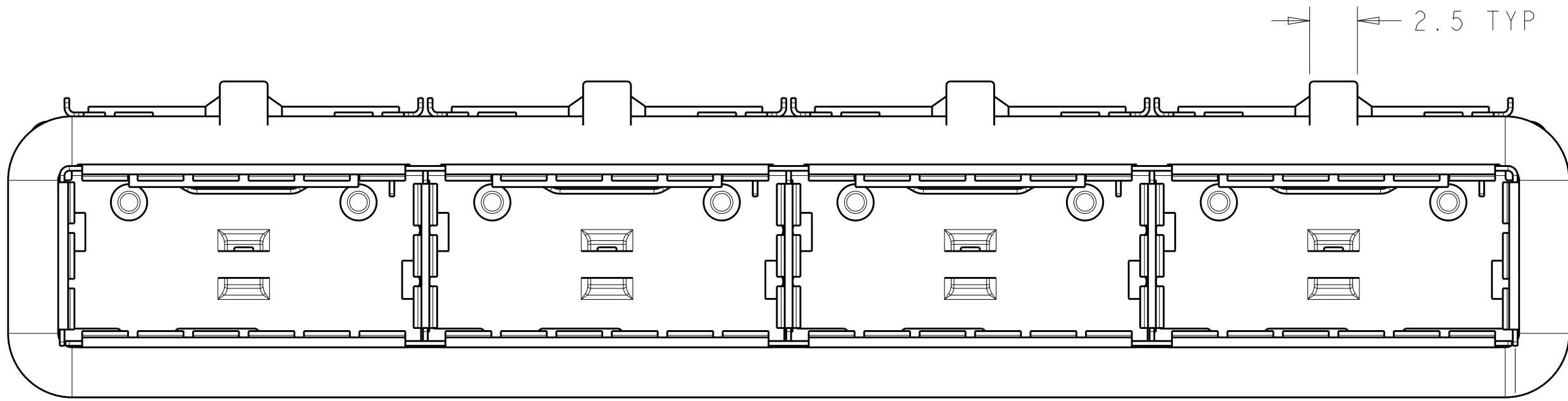
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-



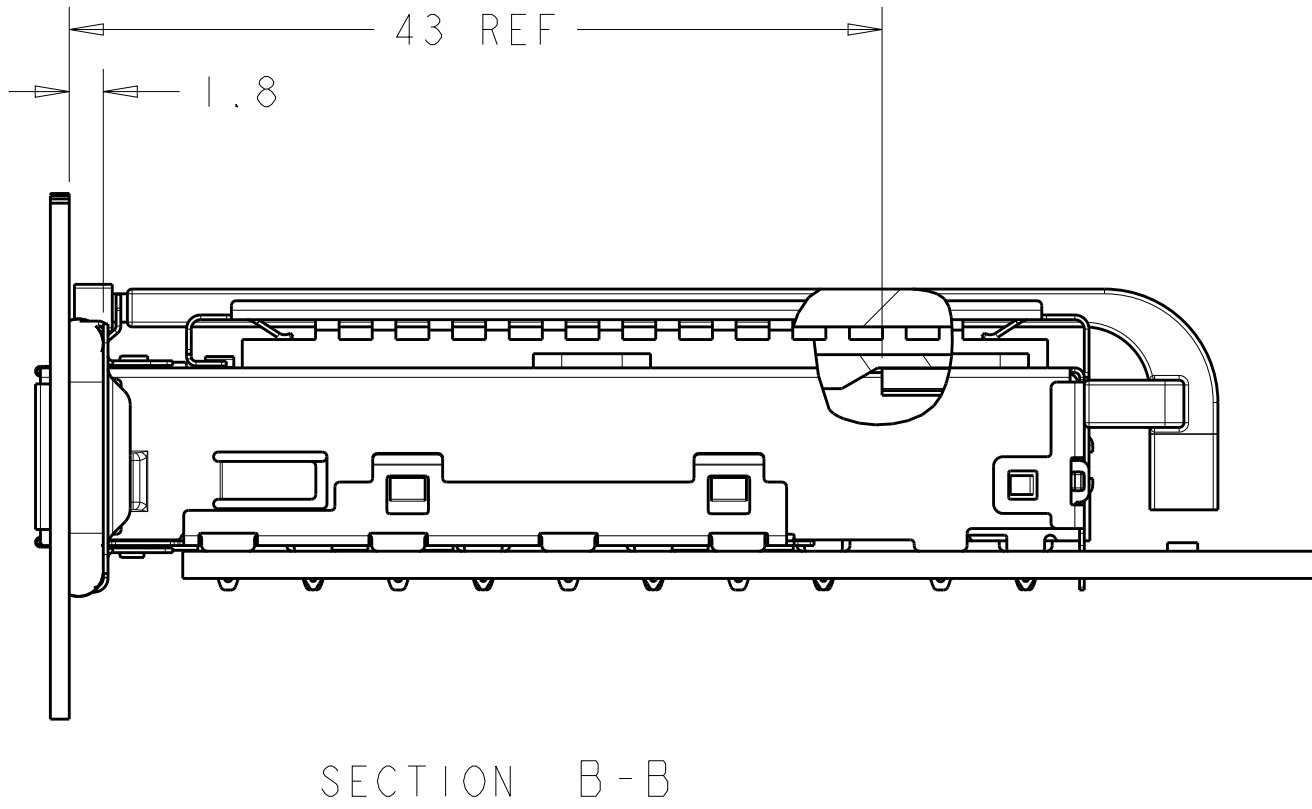
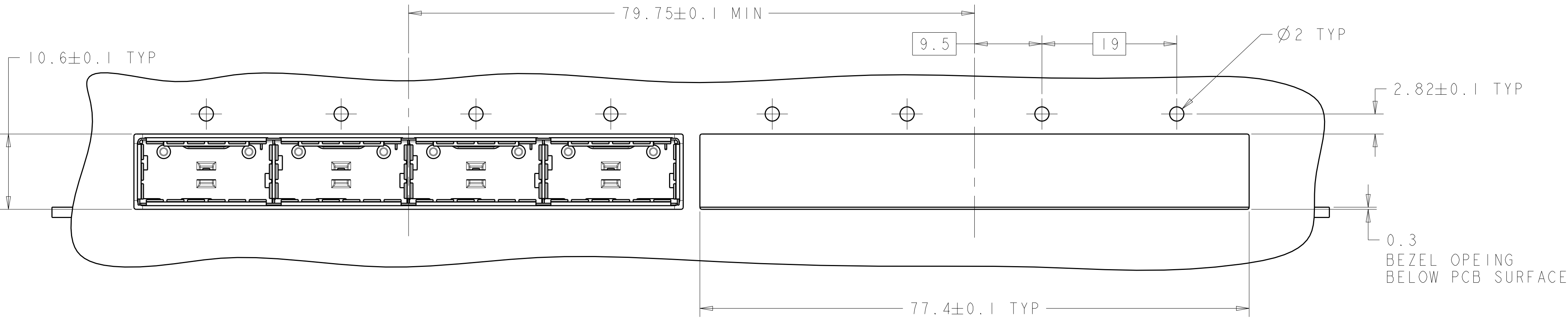
1-2170287-0 shown
SCALE 4:1



1-2170287-0
ONE SIDED CONFIGURATION
SCALE 5:2



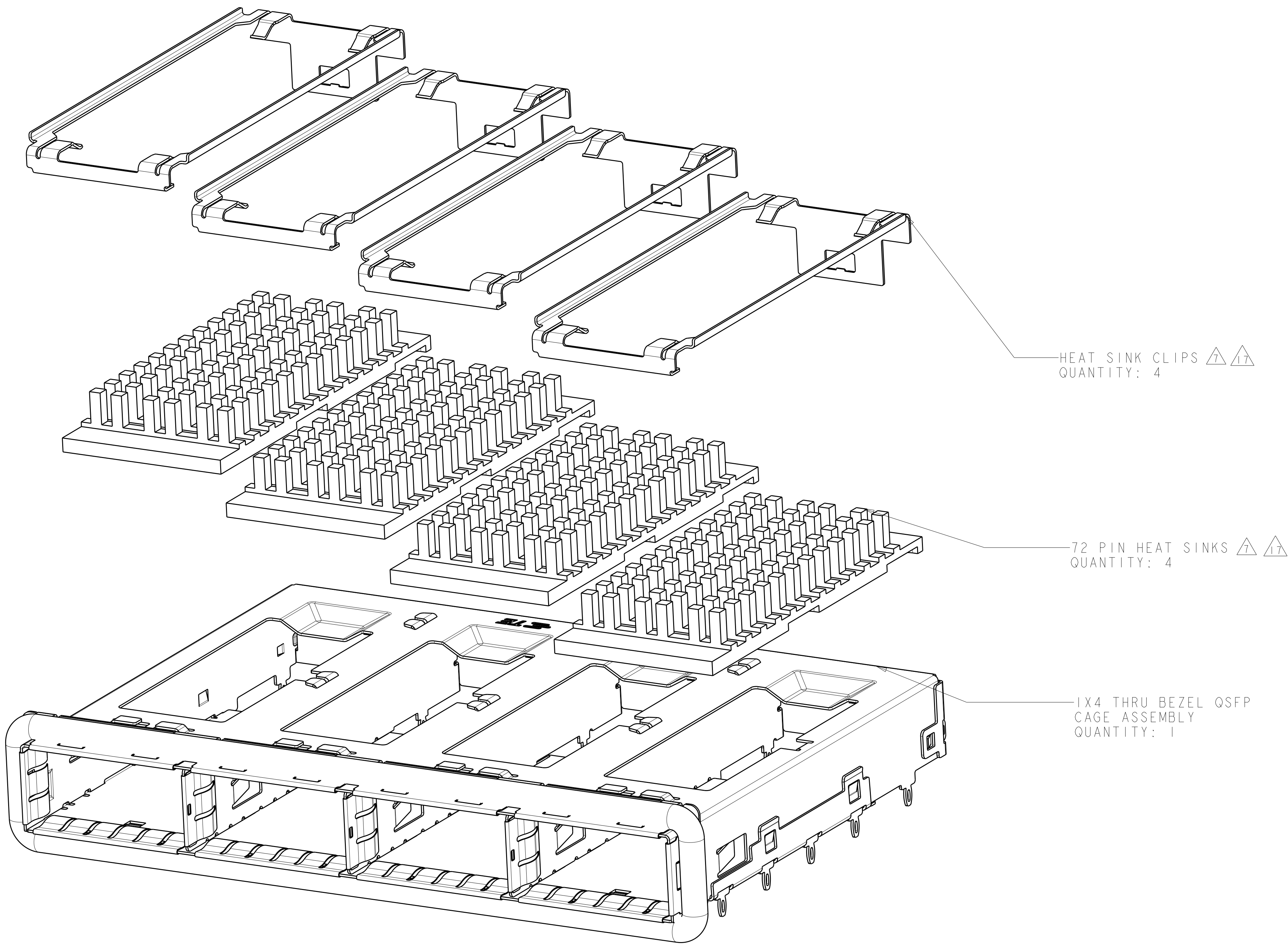
1-2170287-1 SHOWN
SCALE 4:1

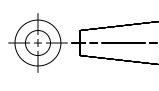


1-2170287-1
ONE SIDED CONFIGURATION
SCALE 5:2

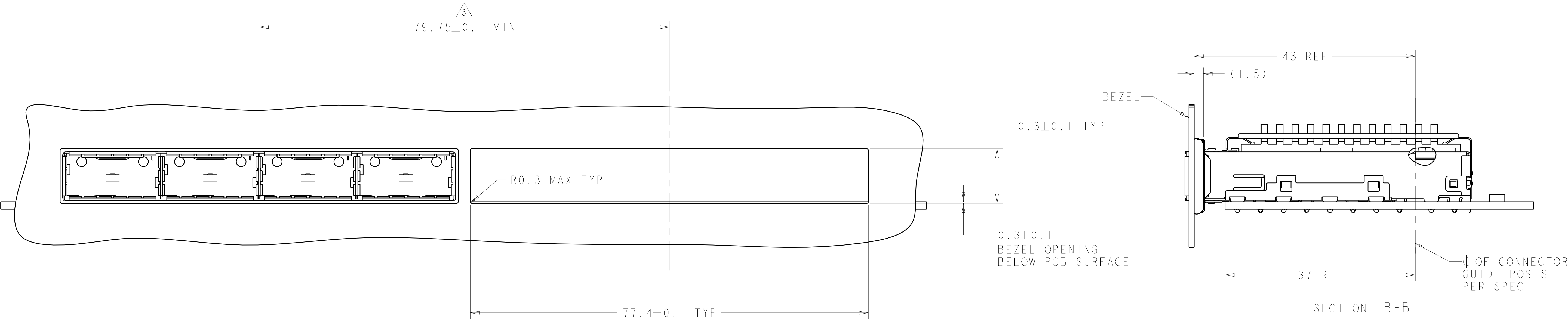
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN CHK DENNY ZHU APVD ALEX CAI	29FEB2012 29FEB2012 29FEB2012	TE Connectivity	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	NAME	1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
mm	0 PLC ±0.35 1 PLC ±0.25 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO
MATERIAL		WEIGHT	A100779	C=2170287	RESTRICTED TO
CUSTOMER DRAWING		SCALE	1:1	SHEET	2 OF 8
		REV	A		

LOC		DIST		REVISIONS				
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	

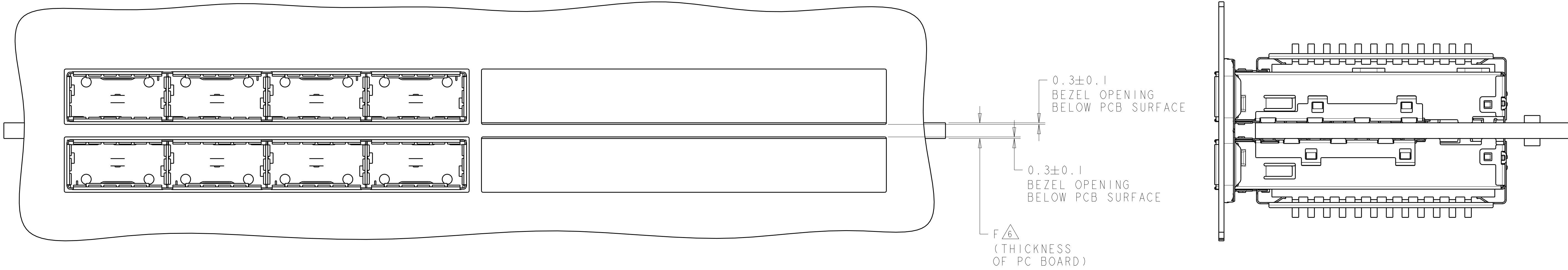


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012	 TE Connectivity	
DIMENSIONS:		CHK DENNY ZHU 29FEB2012		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
	0 PLC	±	PRODUCT SPEC	
	1 PLC	±0.35	108-2286	
	2 PLC	±0.25	APPLICATION SPEC	
	3 PLC	±	114-13217	
MATERIAL		4 PLC	±	RESTRICTED TO
FINISH		ANGLES	±	A100779C=2170287
WEIGHT		FINISH	-	-
CUSTOMER DRAWING		SCALE	1:1	SHEET 3 OF 8 REV A

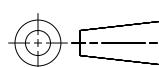
LOC		DIST		REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD		
		-		SEE SHEET 1	-	-	-		

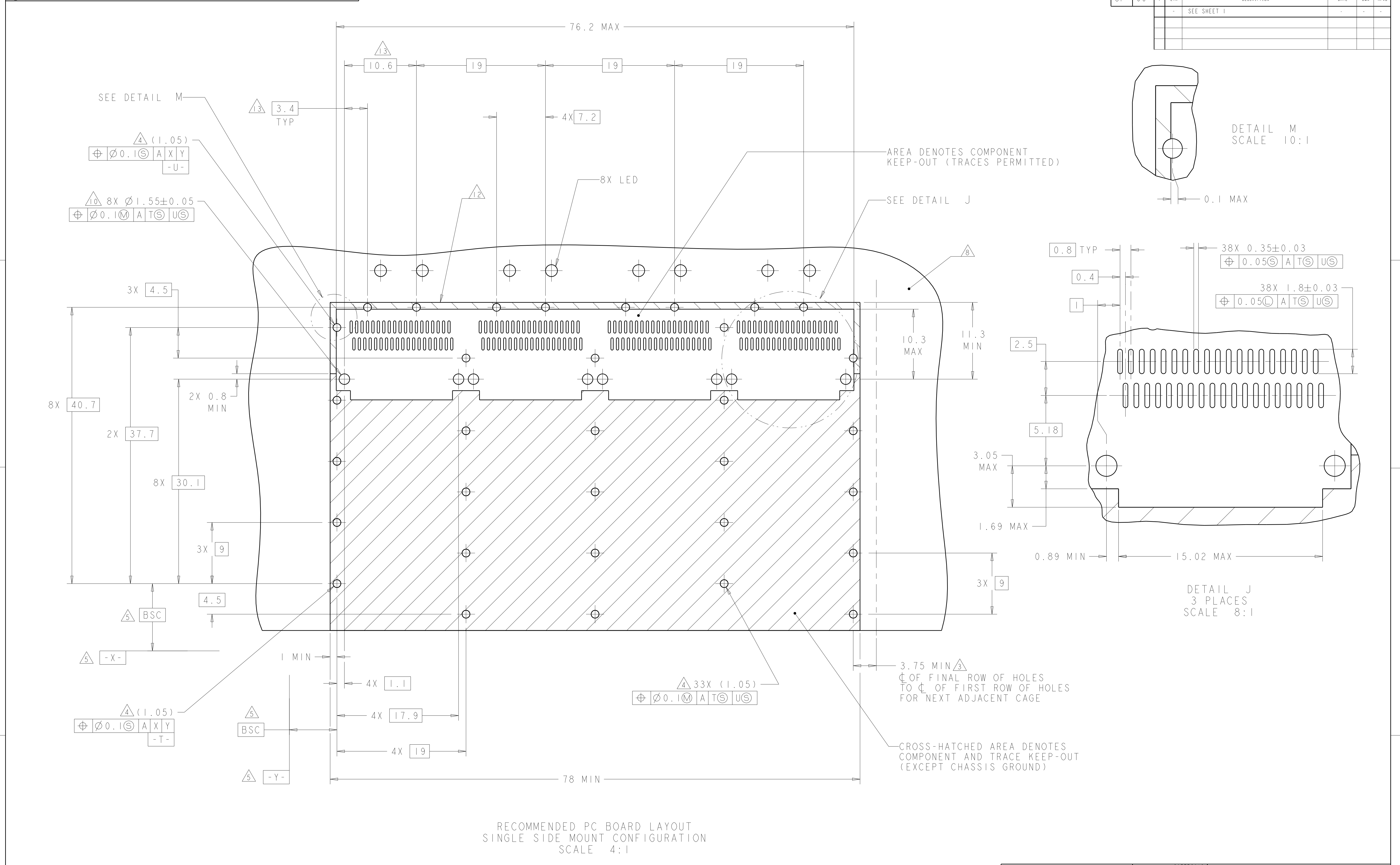


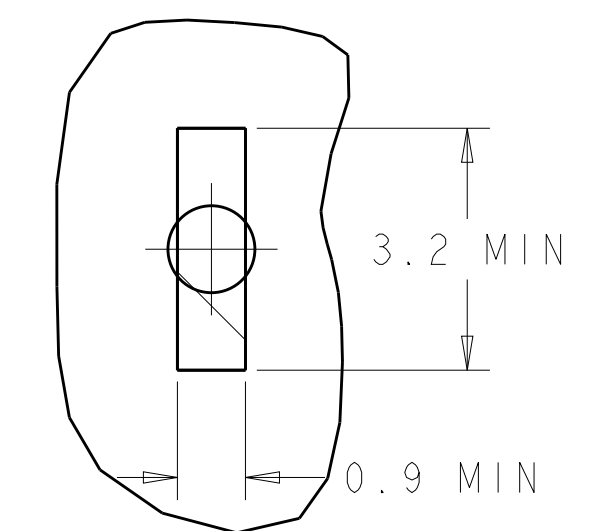
ONE SIDED CONFIGURATION
SCALE 5:2



BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 5:2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012	 TE Connectivity	
DIMENSIONS:		CHK DENNY ZHU 29FEB2012		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
	0 PLC ± 1 PLC ±0.35 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± FINISH ±	PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217	SIZE A100779C=2170287	
MATERIAL -	-	WEIGHT -	RESTRICTED TO -	
CUSTOMER DRAWING			SCALE 1:1	SHEET 4 OF 8
			REV A	





Technical drawing of a mechanical part, likely a bracket or base plate, showing dimensions and tolerances.

Dimensions and Tolerances:

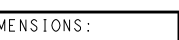
- Overall width: 15.02 MAX
- Overall height: 9 MAX
- Top edge thickness: 0.8 TYP
- Top edge thickness: 0.4
- Top edge thickness: 1
- Top edge thickness: 2.5
- Top edge thickness: 5.18
- Top edge thickness: 0.89 MIN
- Top edge thickness: 0.35 ± 0.03
- Top edge thickness: $38X \ 1.8 \pm 0.03$
- Top edge thickness: 0.05 (L, T, U)
- Top edge thickness: 0.05 (L, T, U)

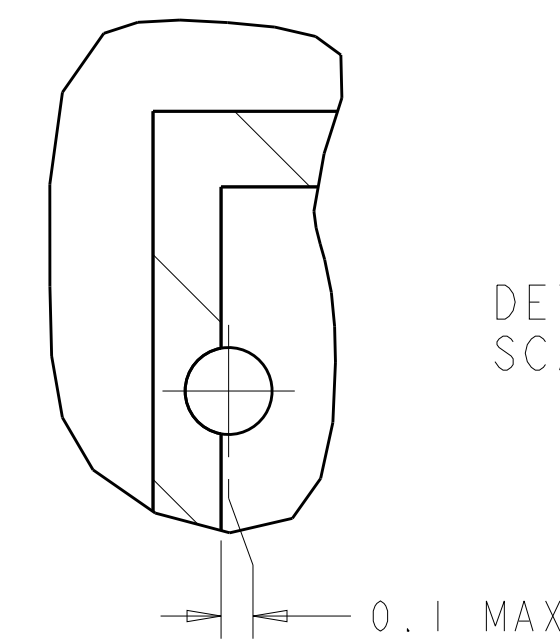
Geometric Features:

- Two circular holes on the top edge.
- Two circular holes on the right side.
- Two circular holes on the left side.
- Two circular holes on the bottom edge.
- Two circular holes on the top edge.
- Two circular holes on the right side.
- Two circular holes on the left side.
- Two circular holes on the bottom edge.

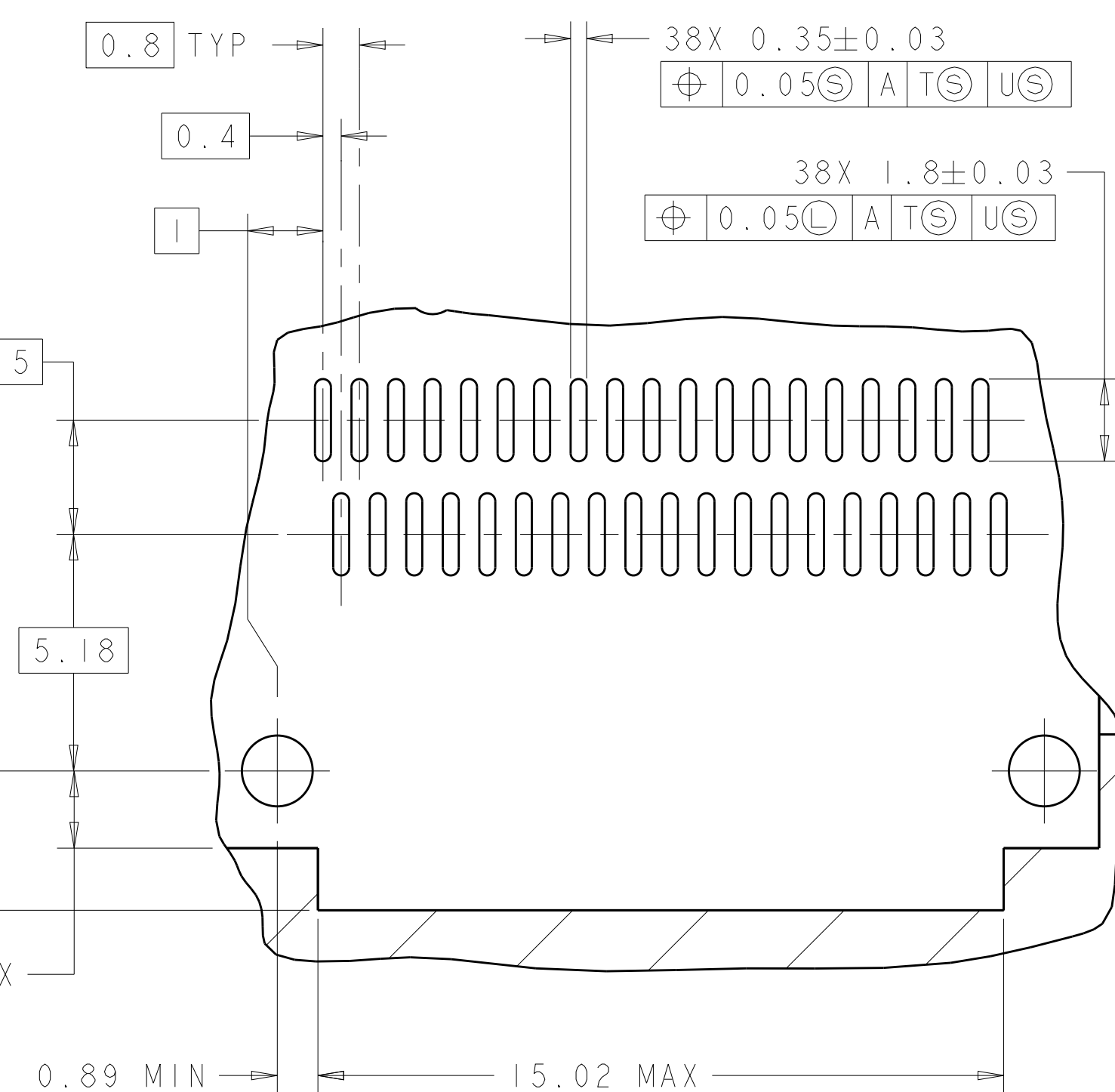
— 3.75 MIN $\triangle_3$
 ⌀ OF FINAL ROW OF HOLES
 TO ⌀ OF FIRST ROW OF HOLES
 FOR NEXT ADJACENT CAGE

RECOMMENDED PC BOARD LAYOUT FOR I-2170287-0
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN	29FEB2012					TE Connectivity		
DIMENSIONS:		CHK DENNY ZHU	29FEB2012			NAME		IX4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS,		
mm		APVD ALEX CAI	29FEB2012			PRODUCT SPEC		QSPF		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC				SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
		114-13217				A1		00779	C=2170287	-
MATERIAL	FINISH	WEIGHT				SCALE		SHEET	6 OF 8	REV Δ
-	-	CUSTOMER DRAWING								

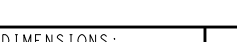


DETAIL M
SCALE 10:1



DETAIL J
3 PLACES
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION FOR I-2170287-1
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012 CHK DENNY ZHU 29FEB2012 APPV ALEX CAI 29FEB2012		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.35 2 PLC ±0.25 3 PLC ±.1 4 PLC ±.1 ANGLES FINISH ±.1		NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSPF	
MATERIAL - FINISH -		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217 WEIGHT -		SIZE CAGE CODE DRAWING NO A1 00779 C=2170287	
CUSTOMER DRAWING		SCALE 1:1		SHEET 7 OF 8 REV A	

