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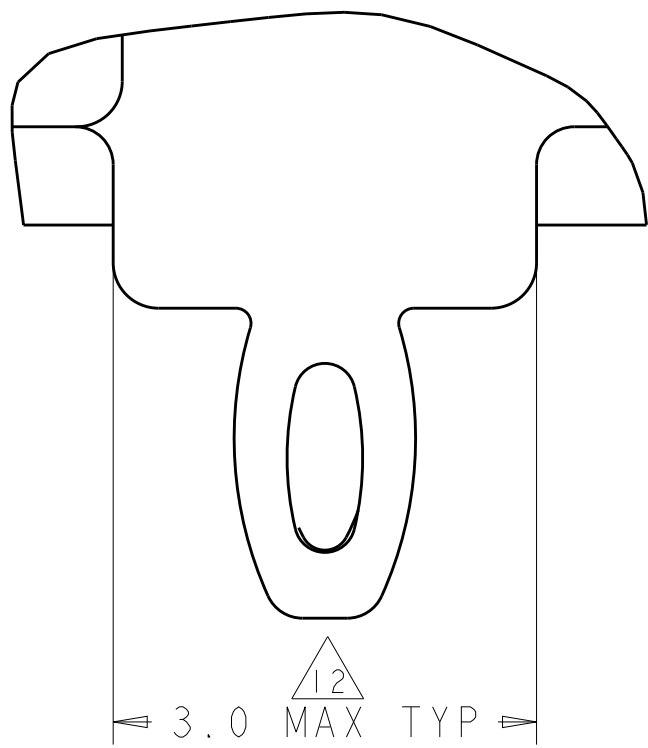
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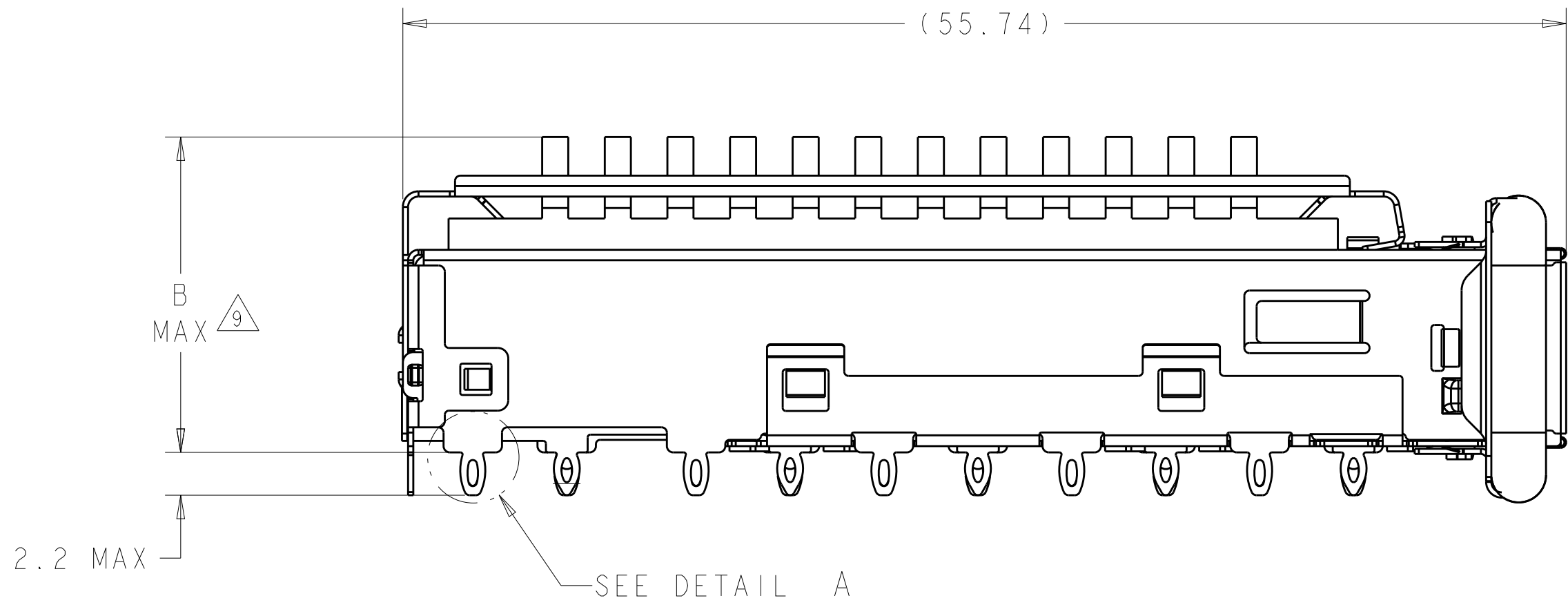
1000

- 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
- 2
- PITCH BETWEEN PORTS OF ONE 1X4 CAGE ASSEMBLY.
- 3
- SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- 4
- REFERENCE APPLICATION SPEC 114-13217 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 5
- DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 6
- 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.
- 7
- HEAT SINKS, LIGHT PIPES, AND HEAT SINK CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- 8
- DATUM -A- IS TOP SURFACE OF PC BOARD.
- 9
- DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- 10
- UNPLATED THRU HOLE.

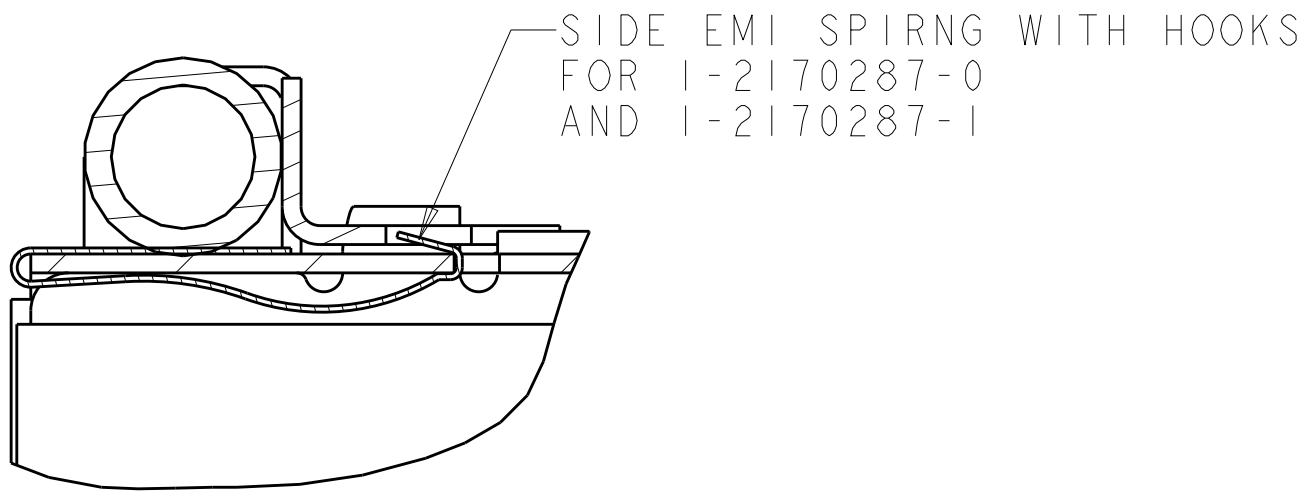
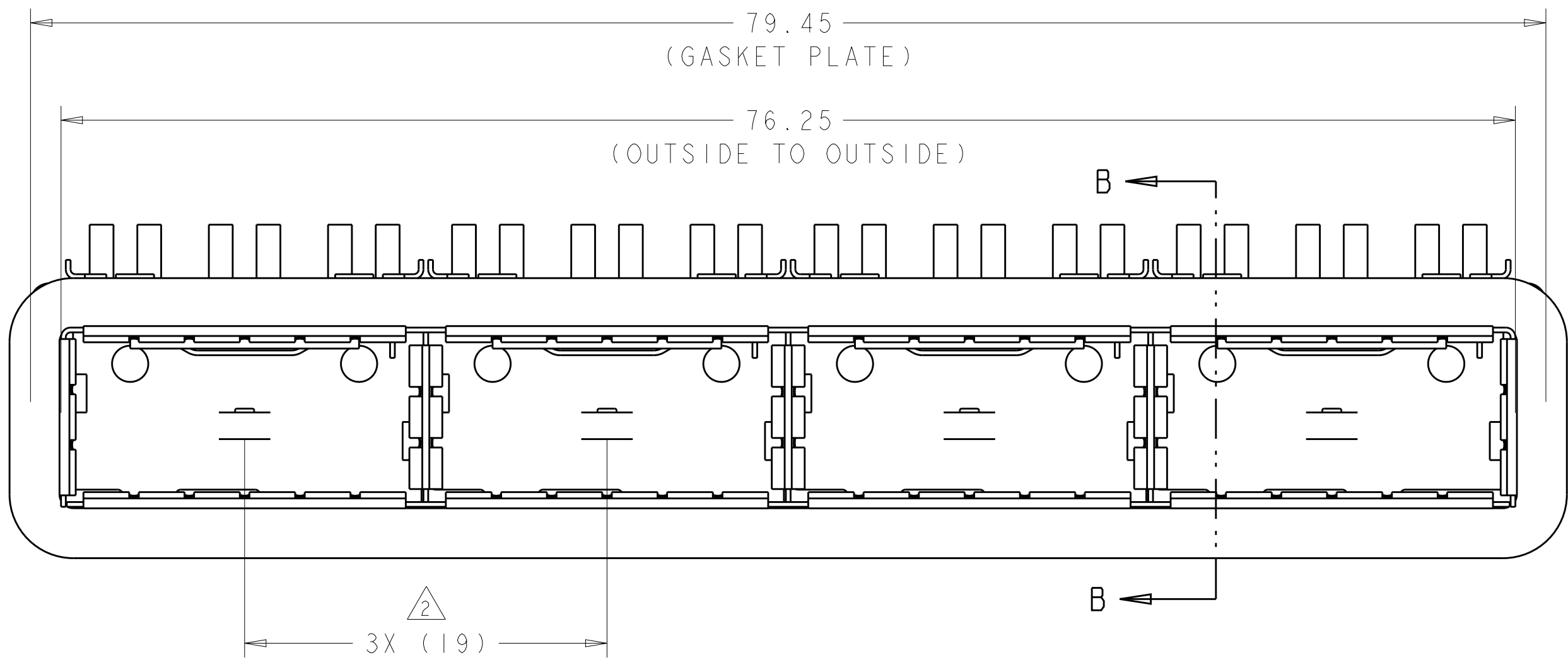
11.
- MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 12
- SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL A, CONTACT PC BOARD.
- 13
- BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- 14
- DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.
- 15
- REFERENCE APP SPEC 114-13217 FOR GASKET THICKNESS CALCULATION.
- 16
- EMI SPRING FINISH: TIN PLATING OVER NICKEL
HEAT SINK FINISH: ANODIZED OR NICKEL PLATING.



DETAIL A
SCALE 20:1

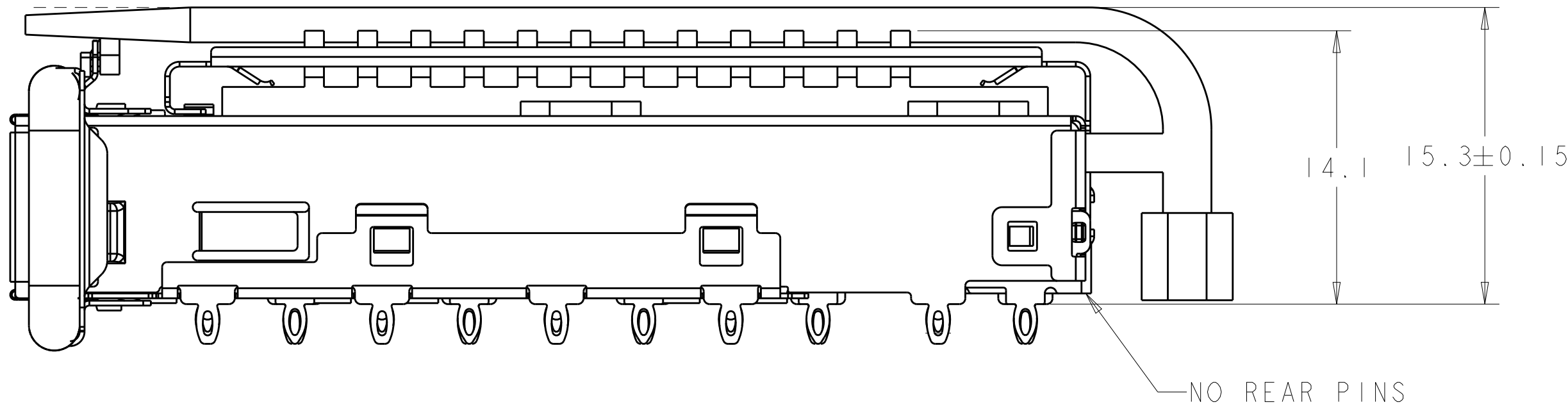
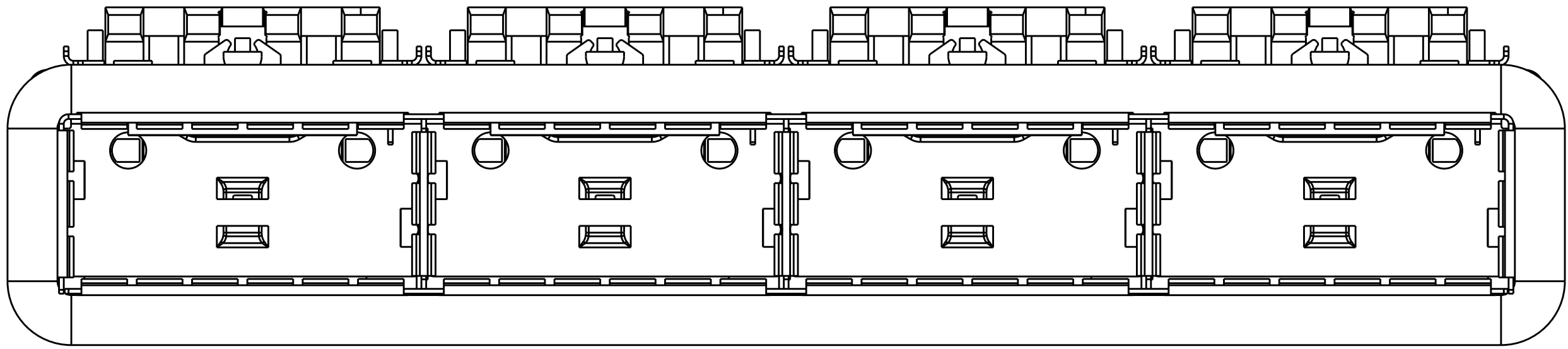


2170287-4, 2170287-5, 2170287-6
SCALE 2:1

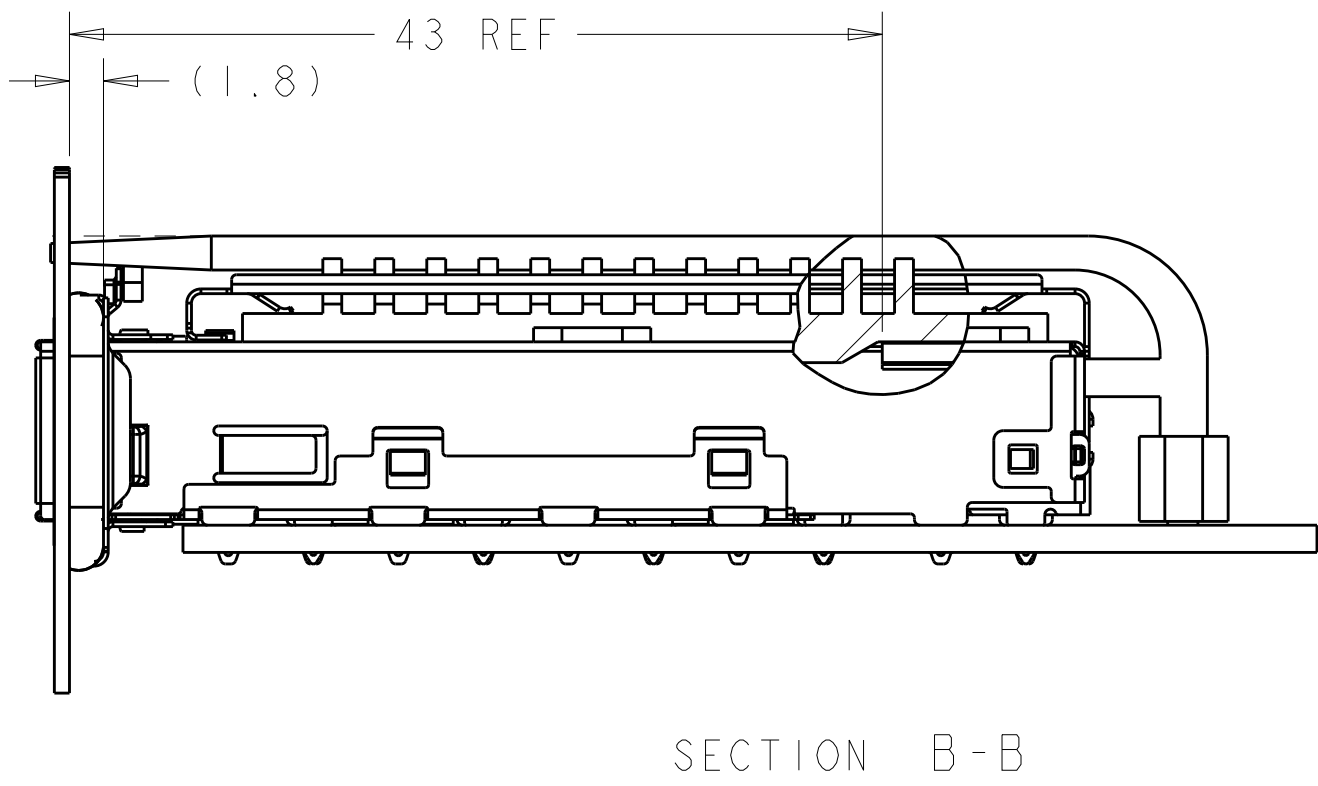
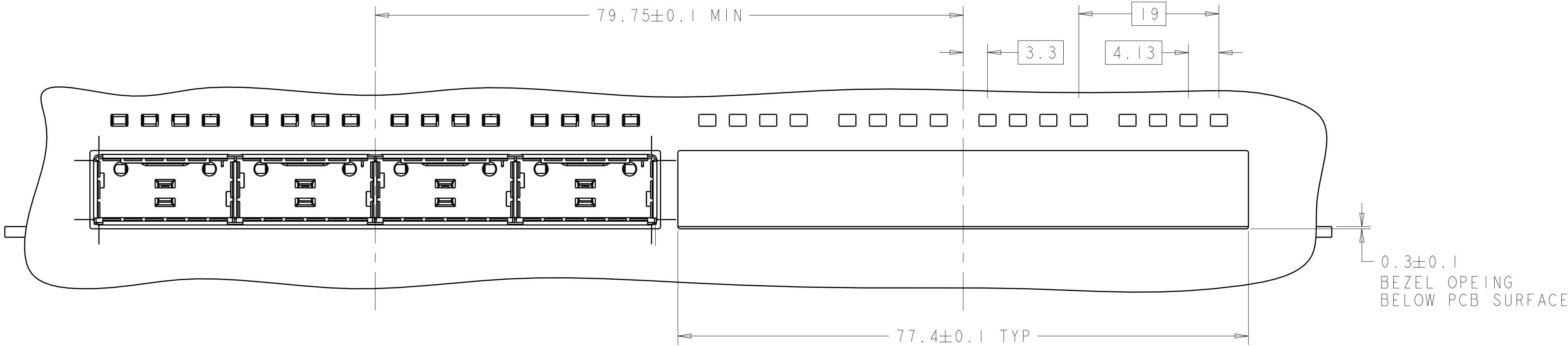


SECTION B-B
SCALE 10:1</

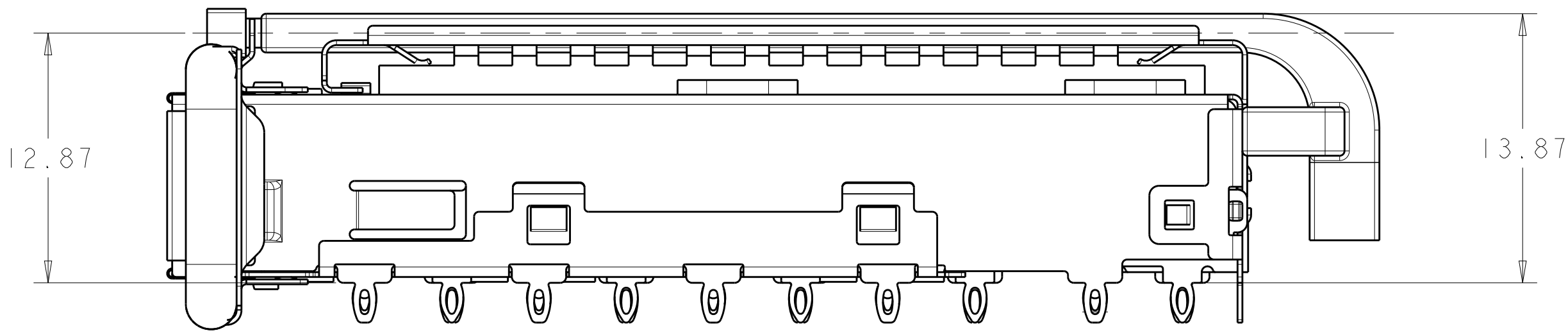
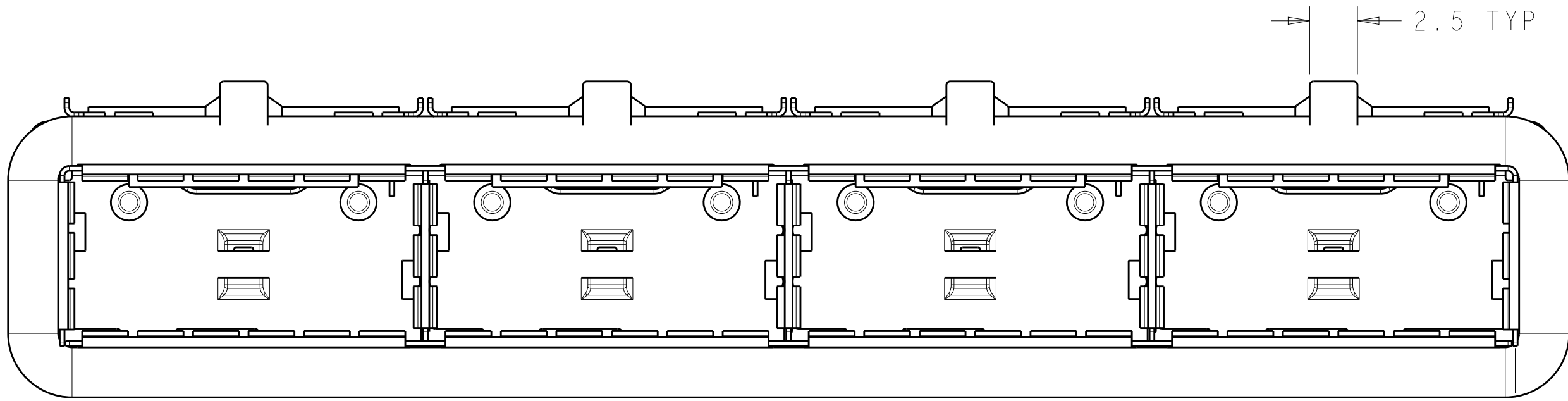
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		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-



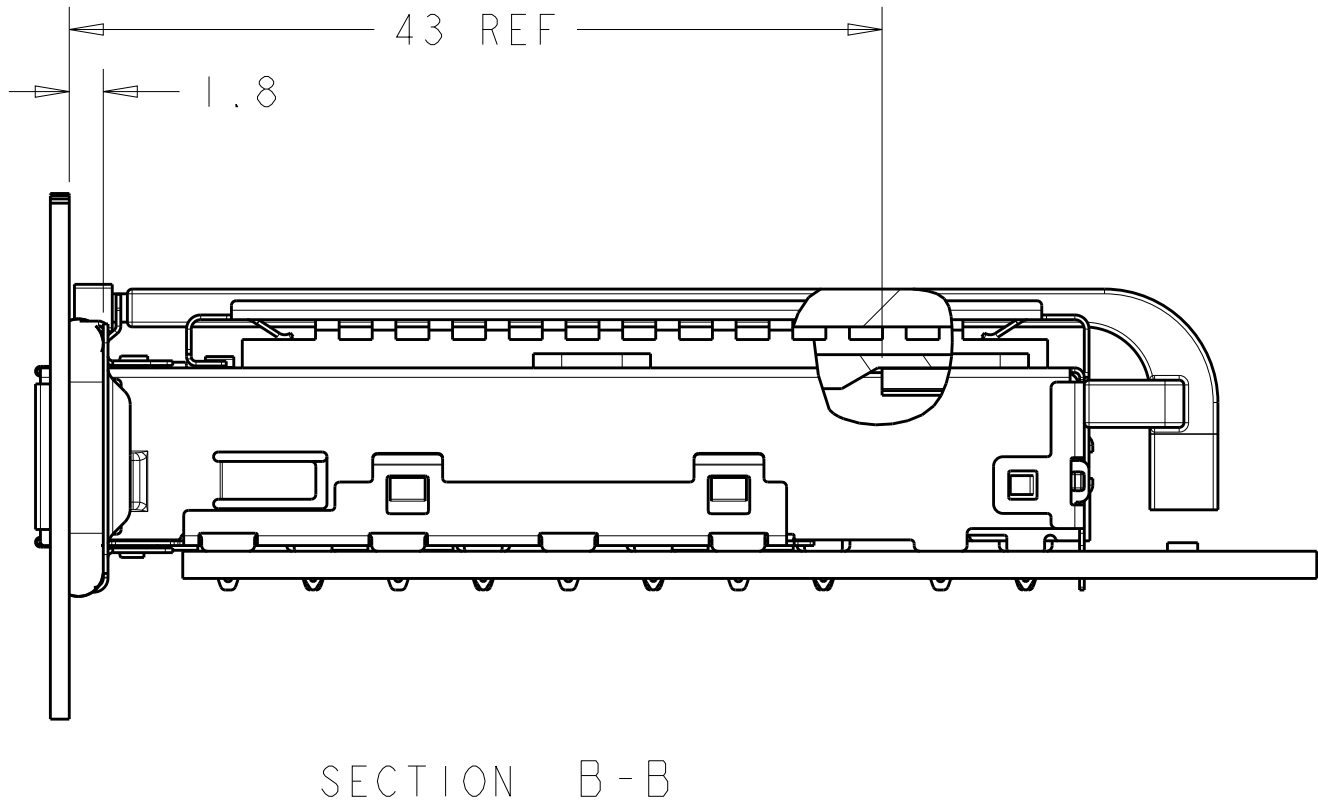
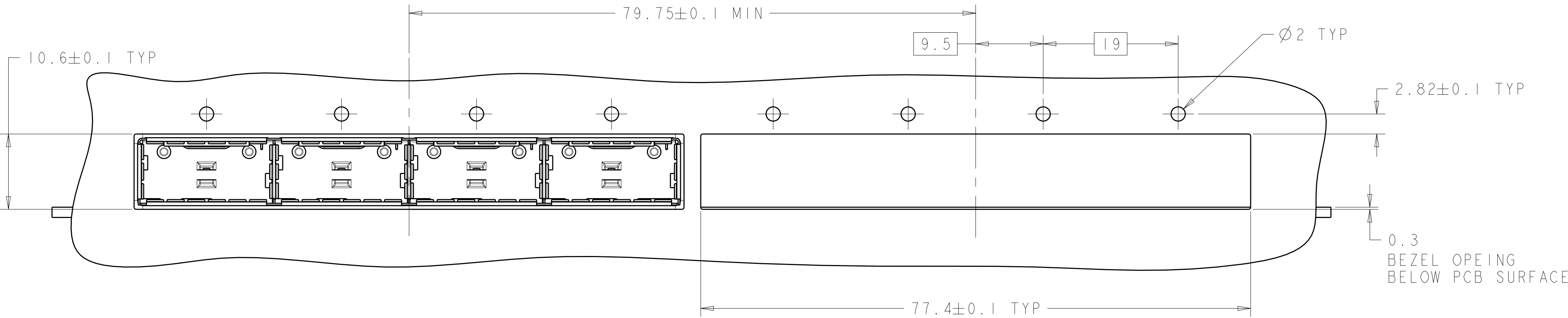
1-2170287-0 shown
SCALE 4:1



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



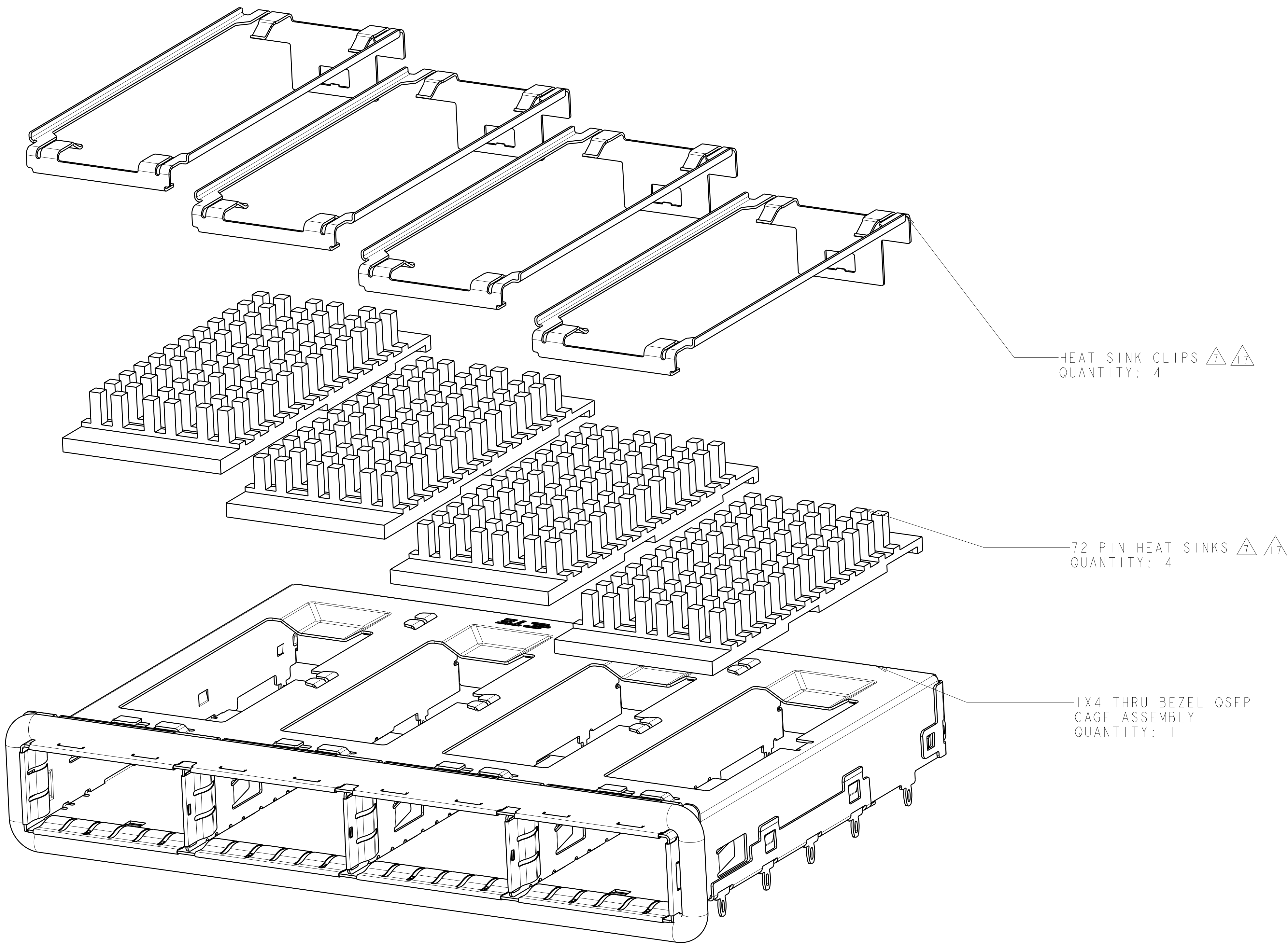
1-2170287-1 SHOWN
SCALE 4:1



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

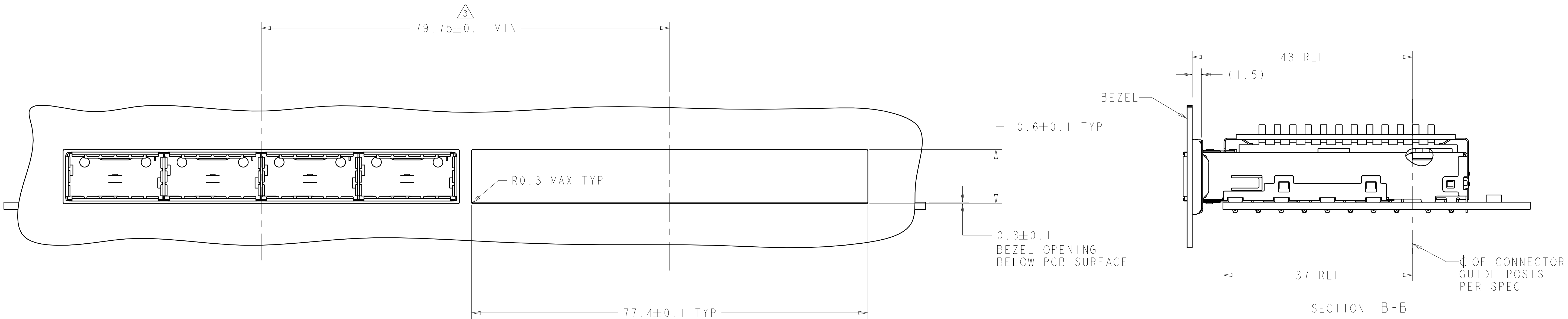
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012	TE Connectivity	
DIMENSIONS:		CHK DENNY ZHU 29FEB2012		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
	0 PLC ± 1 PLC ±0.35 2 PLC ±0.25 3 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 2 OF 8	REV A

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

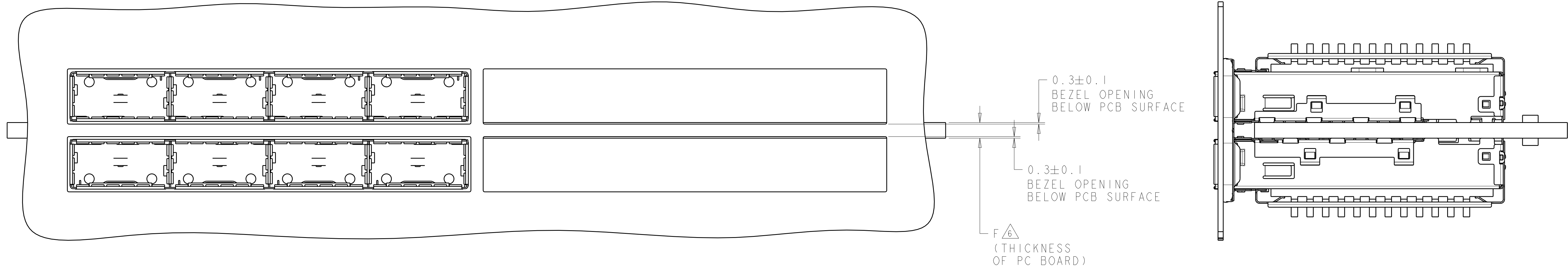


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	KINSEN SUN	29FEB2012	 TE Connectivity		
		CHK	DENNY ZHU	29FEB2012			
		APVD	ALEX CAI	29FEB2012	NAME		
		PRODUCT SPEC			1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP		
		APPLICATION SPEC					
		WEIGHT			RESTRICTED TO		
		CUSTOMER DRAWING					
					SCALE		
					SHEET		
					REV		

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

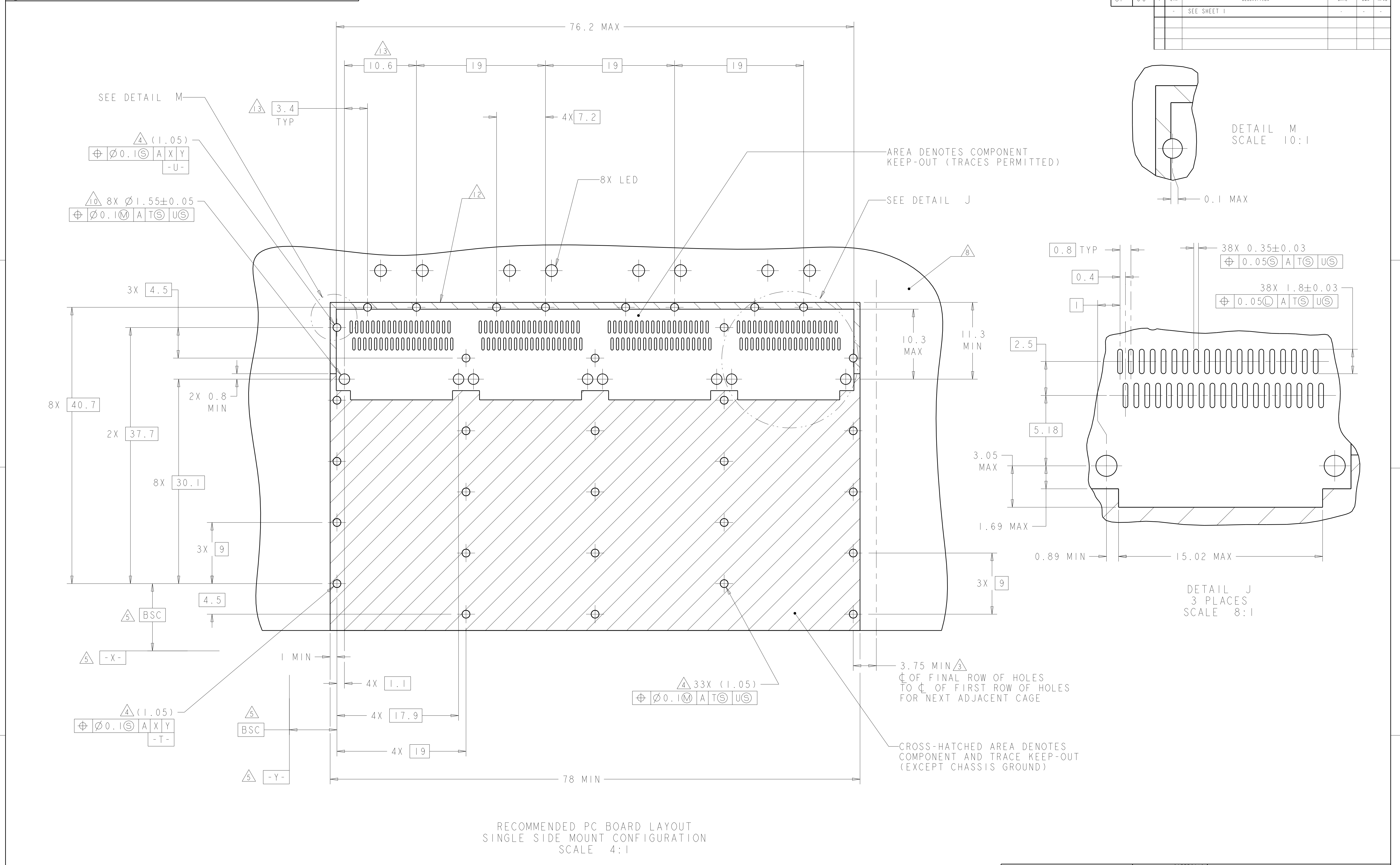


ONE SIDED CONFIGURATION
SCALE 5:2



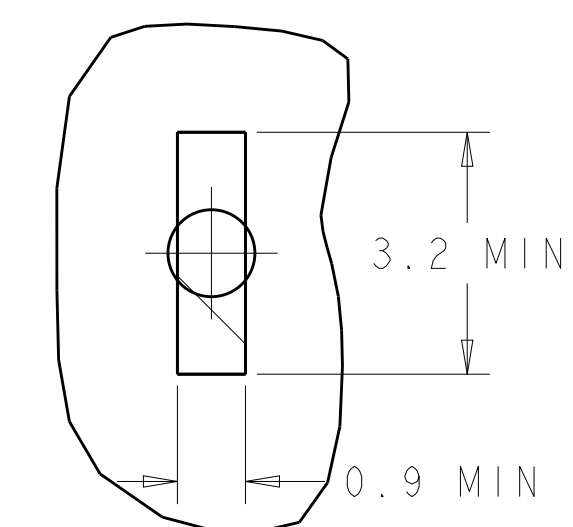
BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 5:2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN CHK DENNY ZHU APVD ALEX CAI	29FEB2012 29FEB2012 29FEB2012	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.35 1 PLC ±0.35 2 PLC ±0.25 3 PLC ±.35 4 PLC ±.35 ANGLES ±.35 FINISH -		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217	
MATERIAL		WEIGHT		SIZE CAGE CODE DRAWING NO	
-		-		A100779C=2170287	
CUSTOMER DRAWING		SCALE		SHEET 4 OF 8	
				REV A	

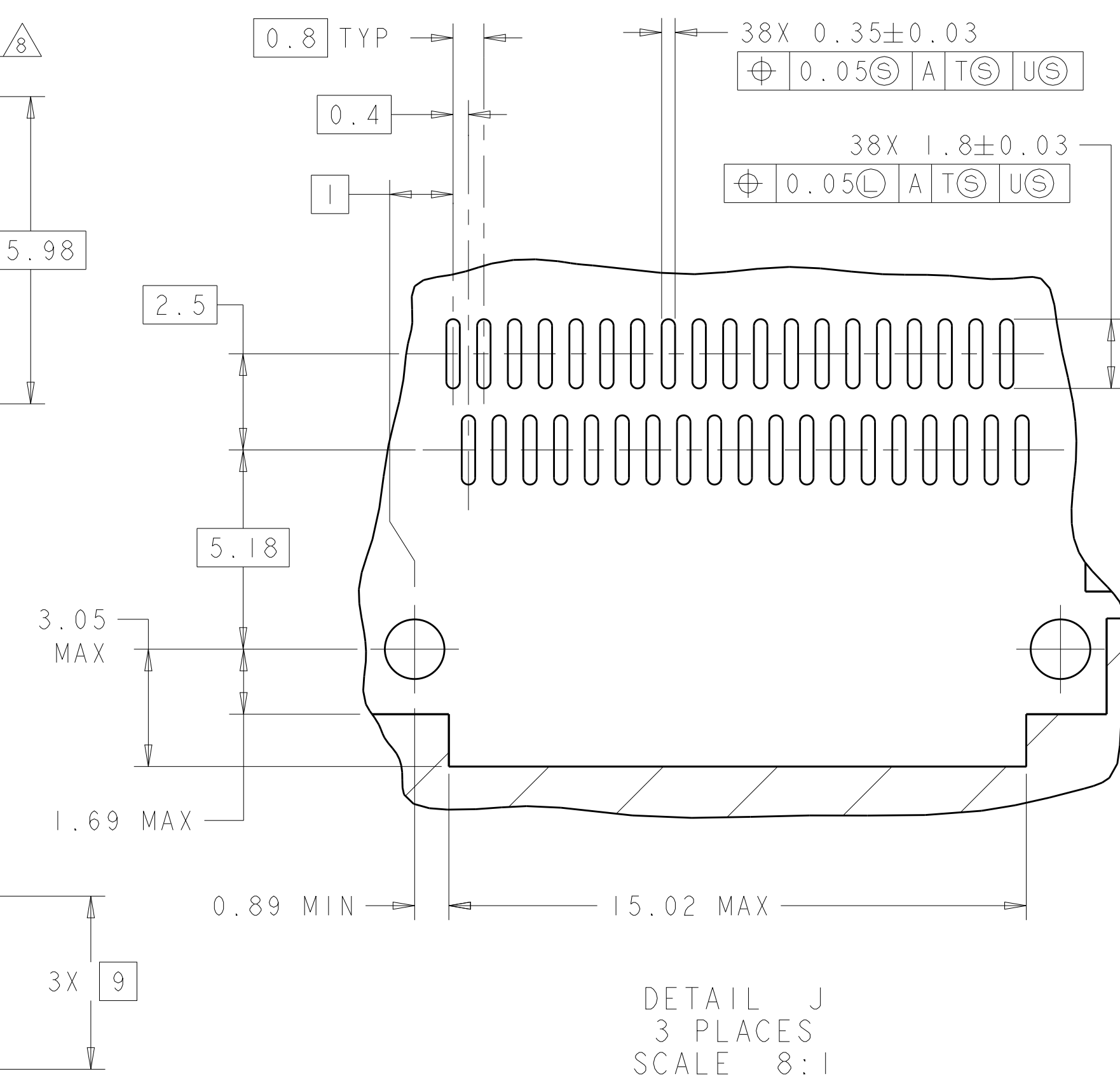


RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1

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 ± 1 PLC ±0.35 2 PLC ±0.25 3 PLC ± 4 PLC ±	PRODUCT SPEC	SIZE	CAGE CODE DRAWING NO
MATERIAL	ANGLES FINISH	APPLICATION SPEC	114-13217	RESTRICTED TO
-	-	WEIGHT	-	-
CUSTOMER DRAWING		SCALE	1:1	SHEET 5 OF 8 REV A



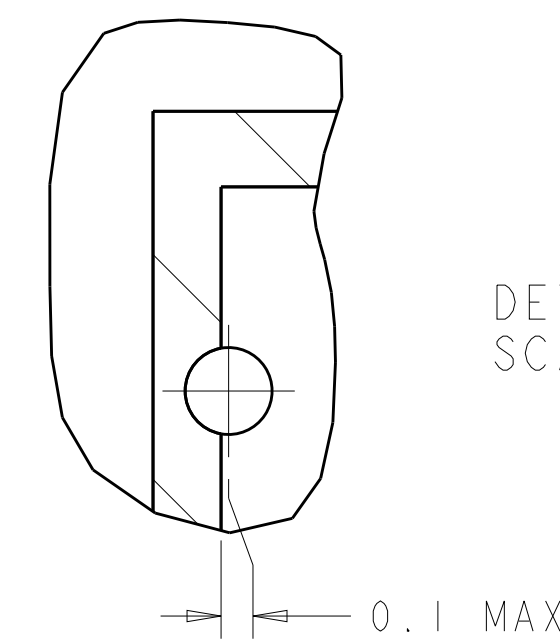
DETAIL M
SCALE 10:1



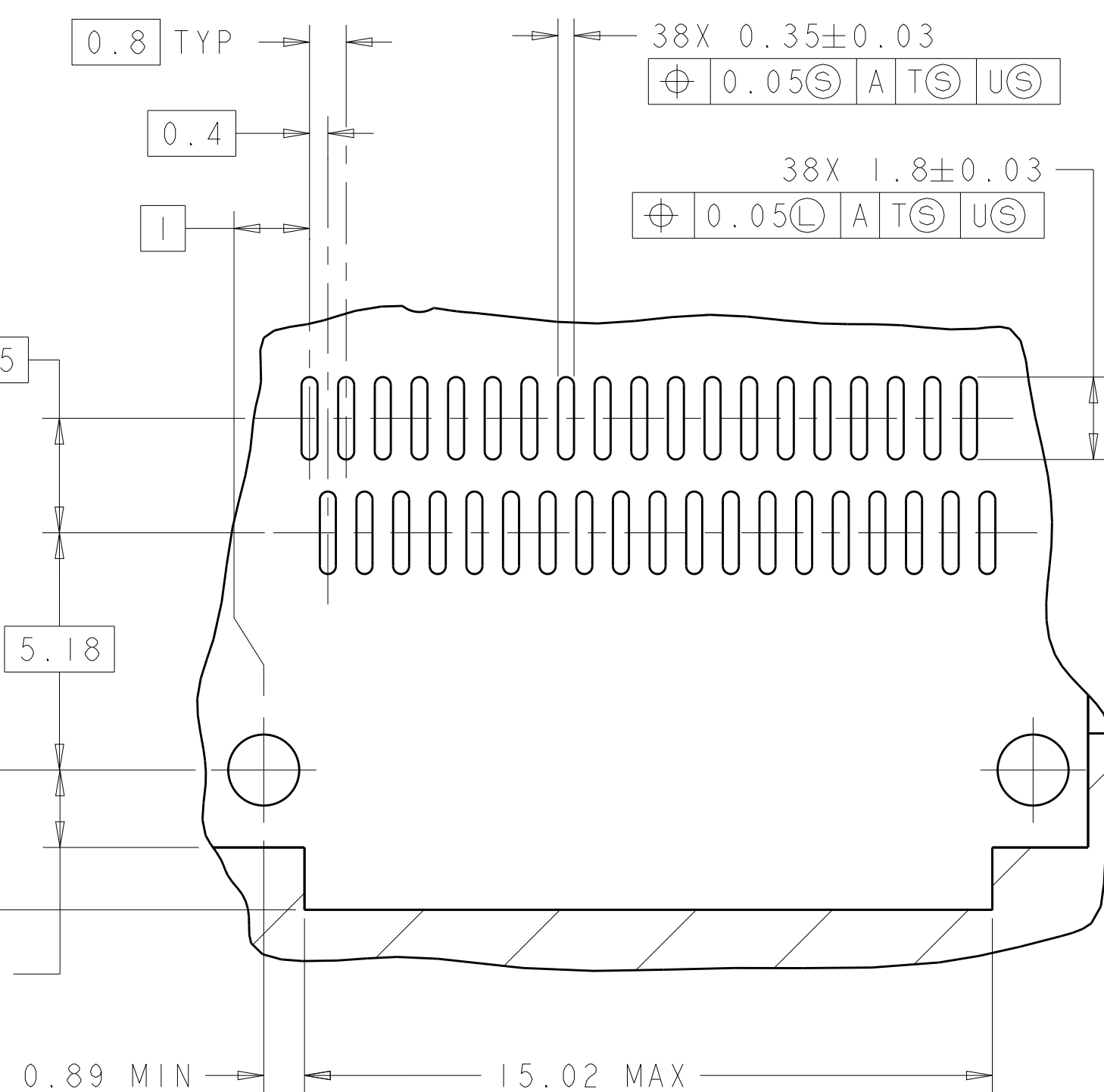
DETAIL J
3 PLACES
SCALE 8:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN	29FEB2012										
		CHK DENNY ZHU	29FEB2012	 TE Connectivity									
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI	29FEB2012	NAME	IX4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP								
(mm)		PRODUCT SPEC	108-2286	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO						
	0 PLC ± 1 PLC ±.00 .35 2 PLC ±.00 .25 3 PLC ± 4 PLC ± ANGLES ± FINISH -	APPLICATION SPEC	114-13217	A1	00779	C=2170287	-						
MATERIAL	-	WEIGHT	-	CUSTOMER DRAWING				SCALE	1 : 1	SHEET	6 OF 8	REV	Δ

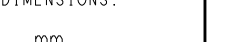


DETAIL M
SCALE 10:1

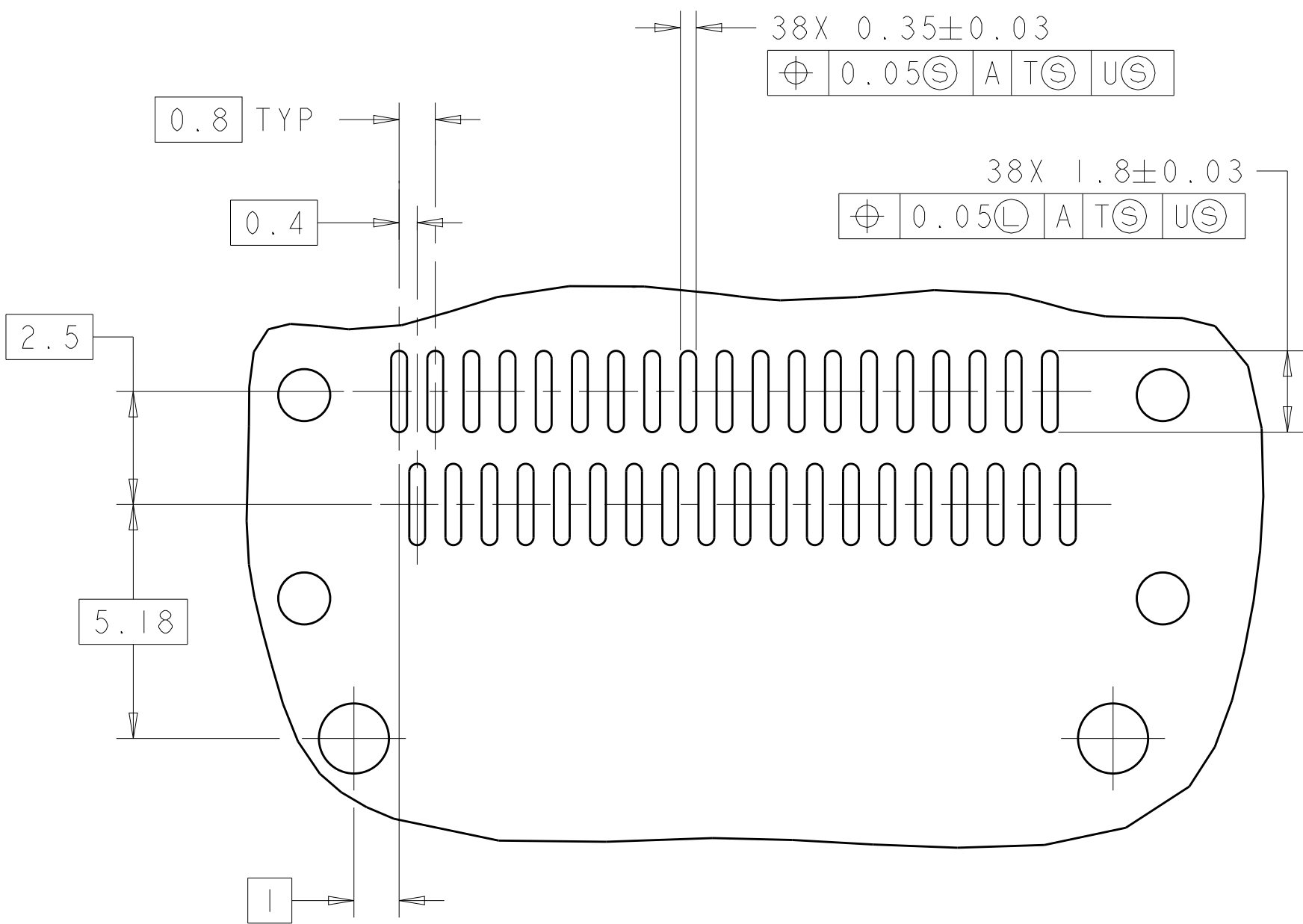
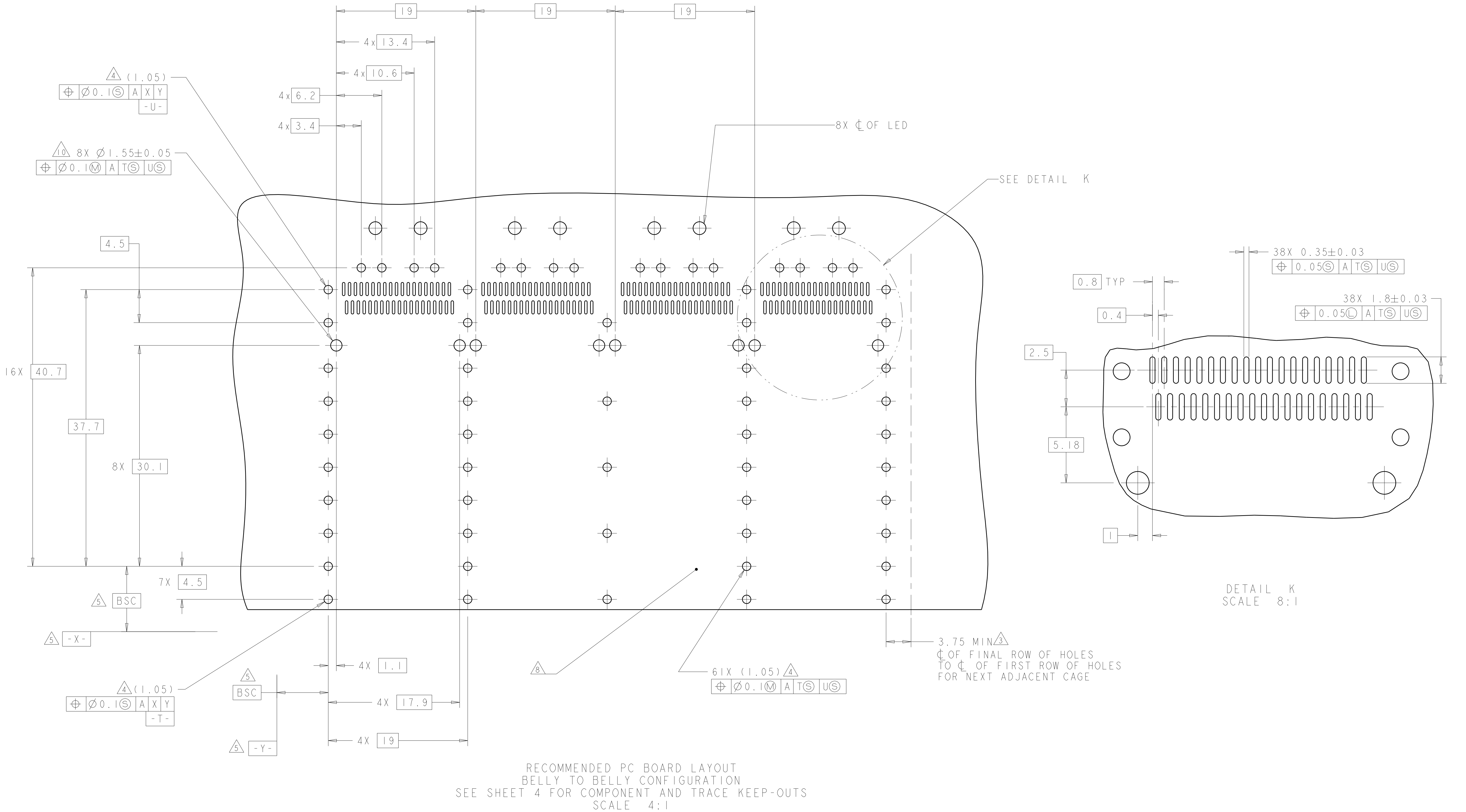


DETAIL J
3 PLACES
SCALE 8:1

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 PLC ±0.35 2 PLC ±0.25 3 PLC ±. 4 PLC ±. ANGLES FINISH ±.		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 A1 CASE CODE 00779 DRAWING NO. C=2170287	
CUSTOMER DRAWING		SCALE 1:1		SHEET 7 OF 8 REV A	

LOC		DIST		REVISONS			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	



THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

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 ±0.35 1 PLC ±0.35 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES FINISH		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217	
MATERIAL		WEIGHT		SIZE CAGE CODE DRAWING NO	
-		-		A100779C=2170287	
CUSTOMER DRAWING		SCALE 1:1		SHEET 8 OF 8 REV A	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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