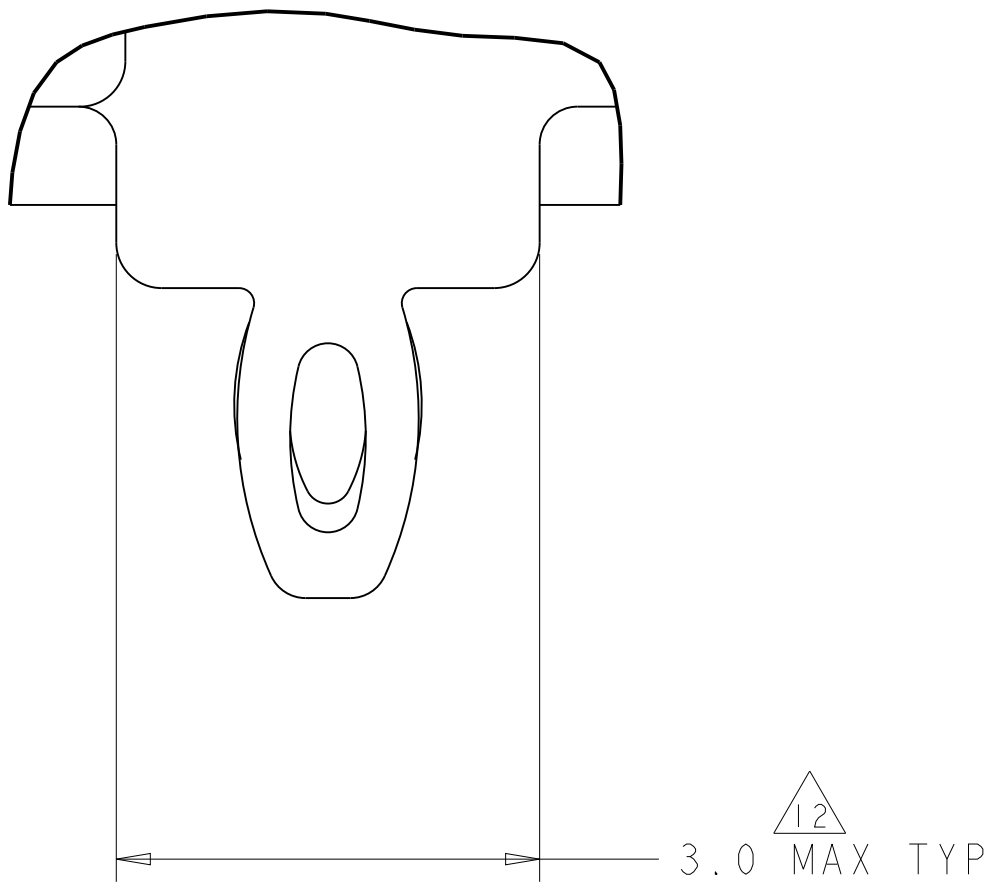


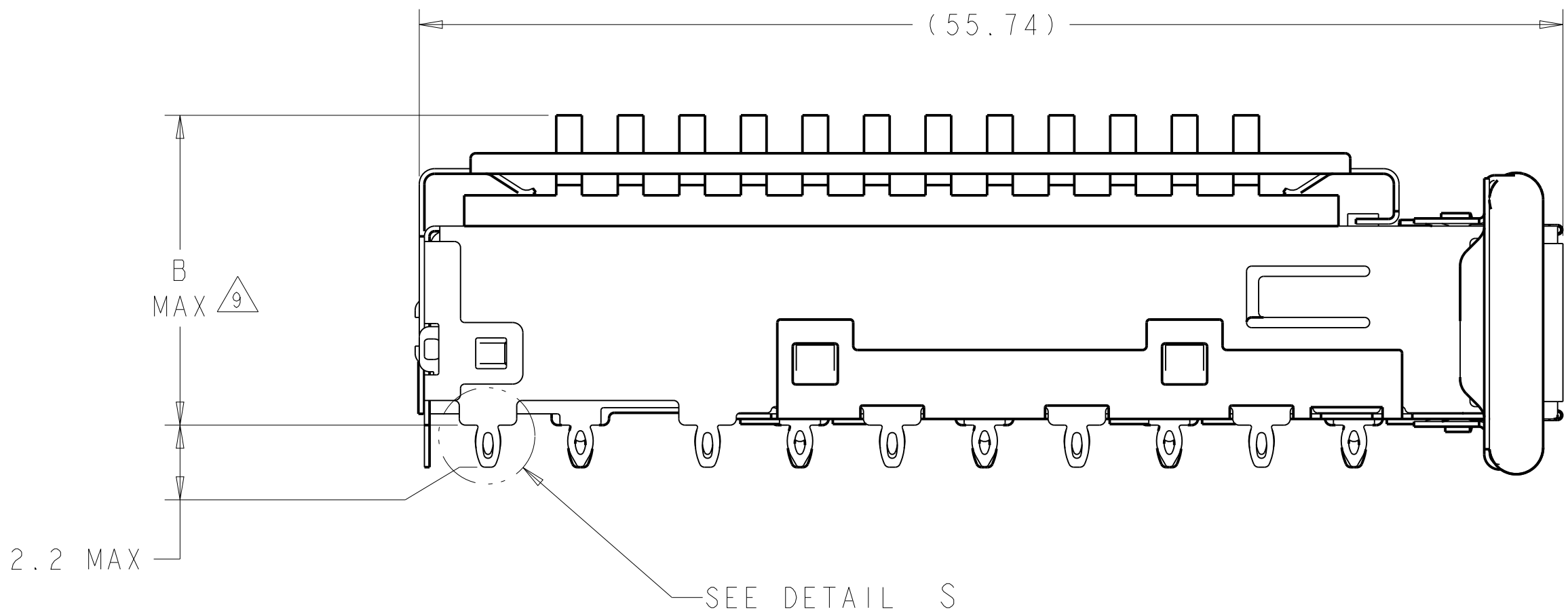
LOC	DIST	REVISIONS						
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
			7	ADD -10 PART NUMBER	21MAR2014	RG	MC	
			8	ADD -11 PART NUMBER	16APR2014	RG	MC	
			9	MODIFY -10 LIGHT PIPE	15JUL2014	RG	MC	
			10	ADD ORGANIZER ON -10	9DEC2014	RG	MC	



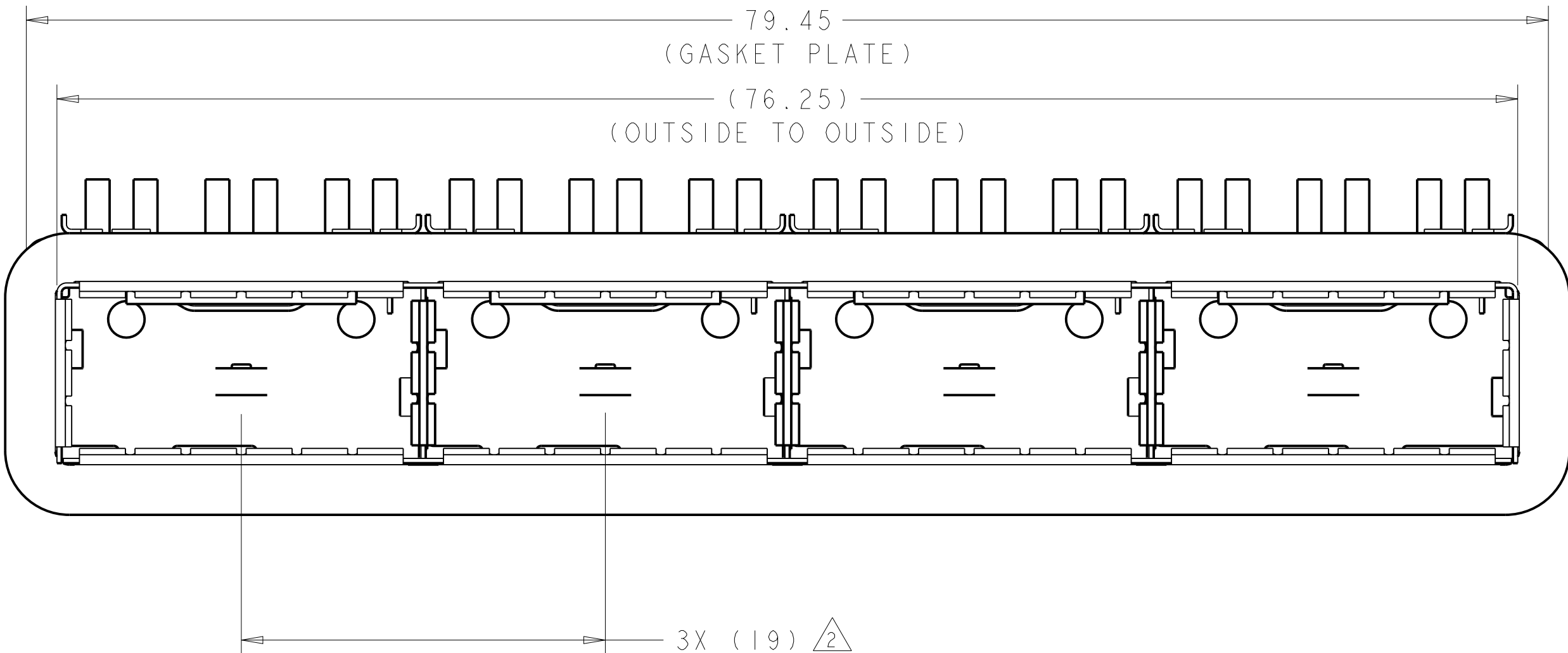
DETAIL S
SCALE 20:1

- ⚠ 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.

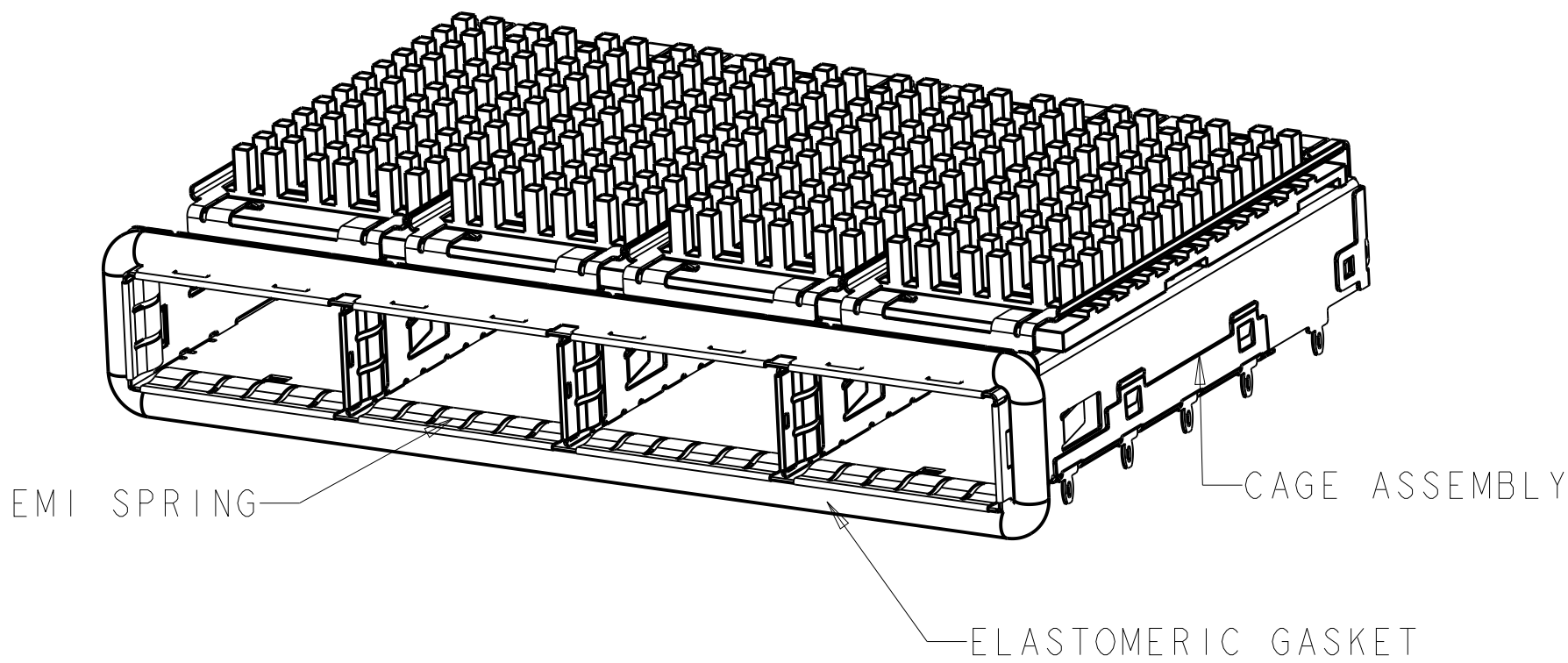
11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- ⚠ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- ⚠ BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- ⚠ DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS 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.



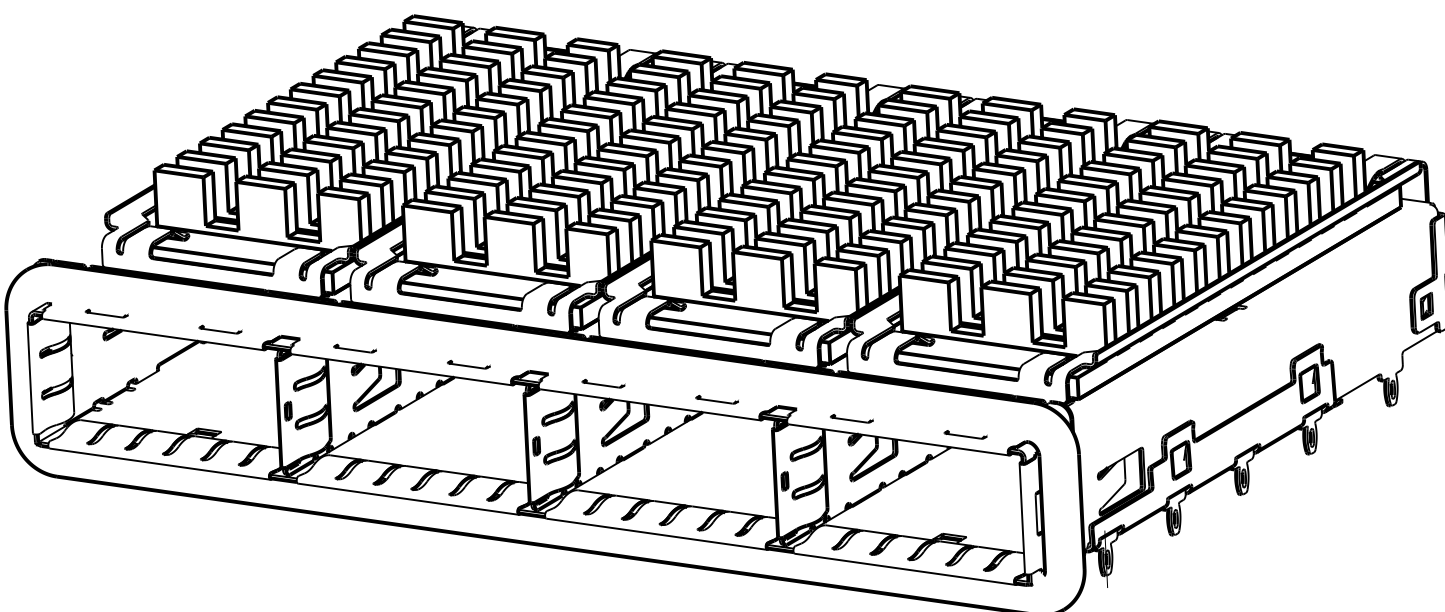
2170287-4,2170287-5,2170287-6
SCALE 2:1



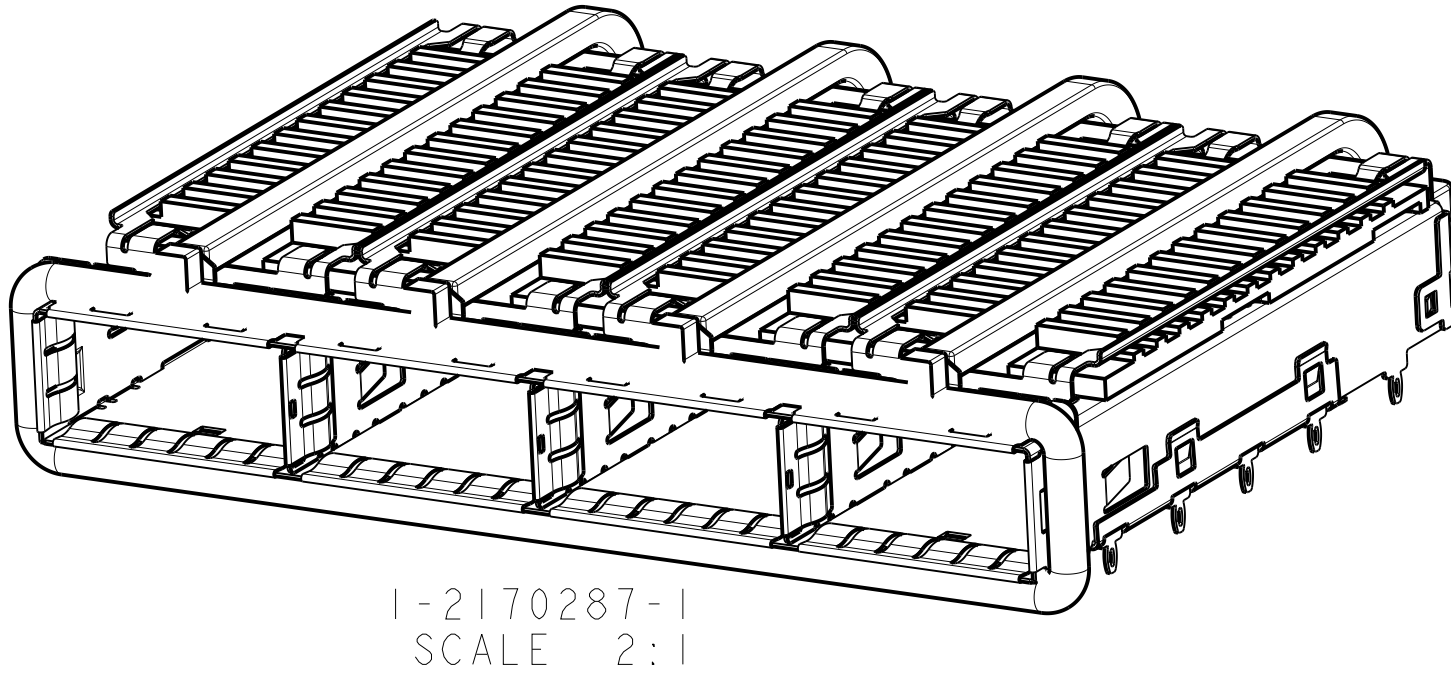
1-2170287-0
SCALE 2:1



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.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.35
1 PLC ±0.25
2 PLC ±.25
3 PLC ±.25
4 PLC ±.25
ANGLES ±.25
FINISH

MATERIAL

1

DWN KINSEN SUN 29FEB2012
CHK DENNY ZHU 29FEB2012
APVD ALEX CAI 29FEB2012

NAME

1X4 CAGE ASSEMBLY THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP

PRODUCT SPEC

108-2286

APPLICATION SPEC

114-13217

WEIGHT

-

Customer Drawing

SCALE 4:1

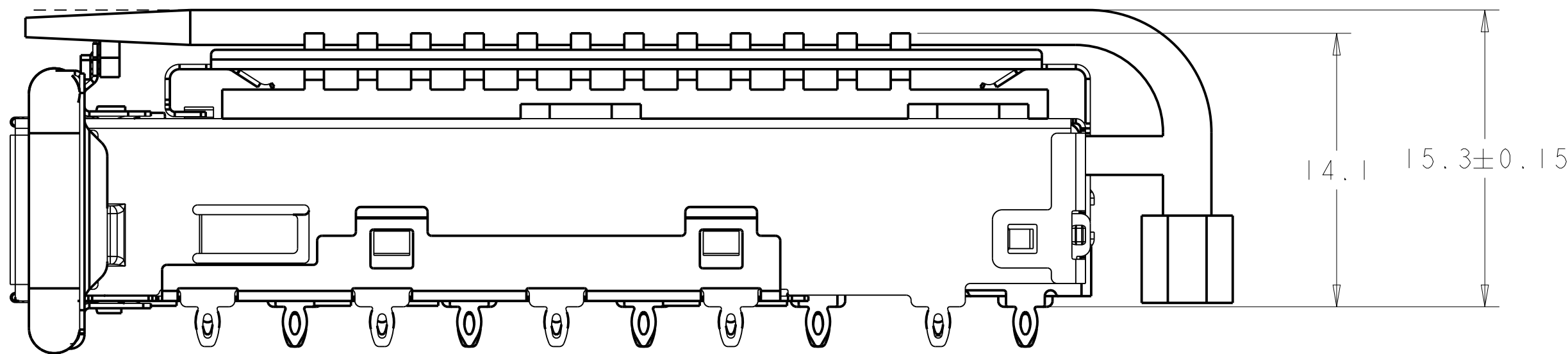
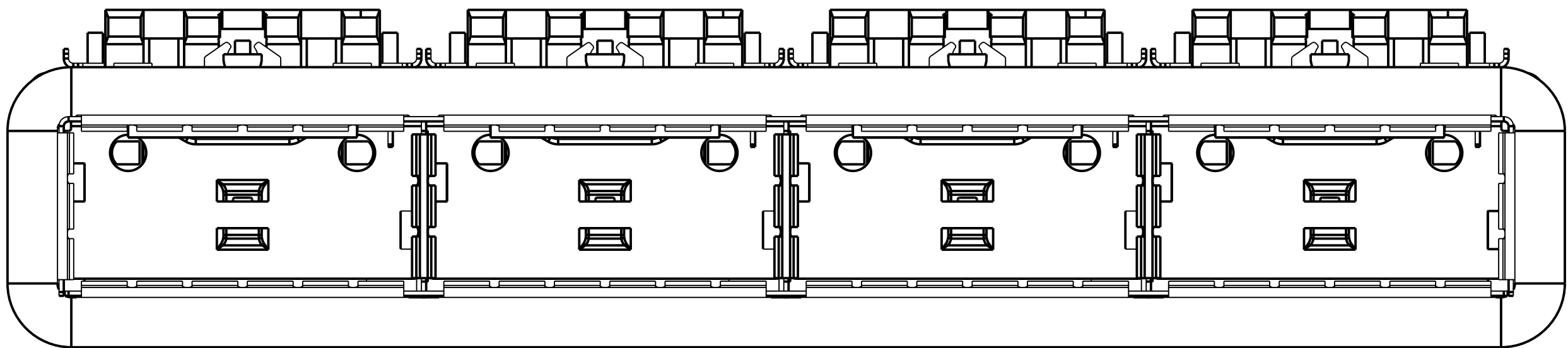
SHEET 1 OF 8

REV 10

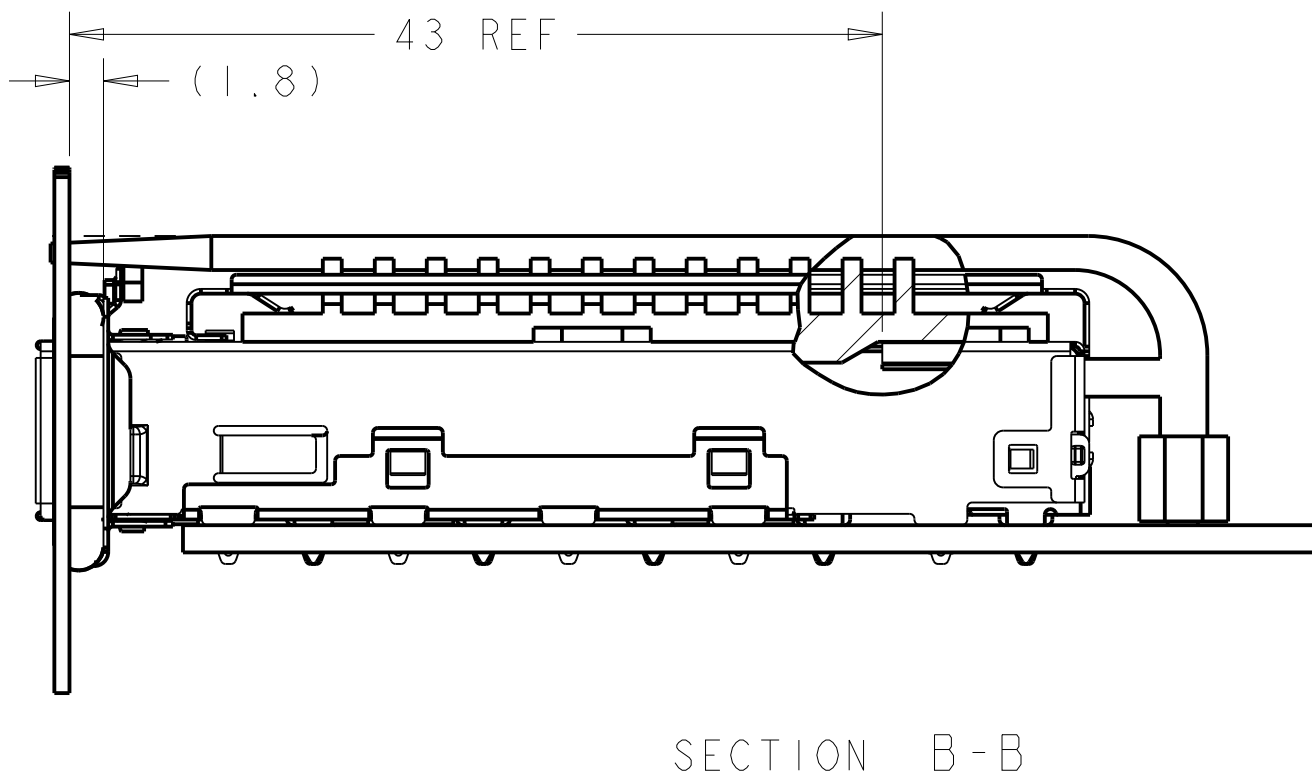
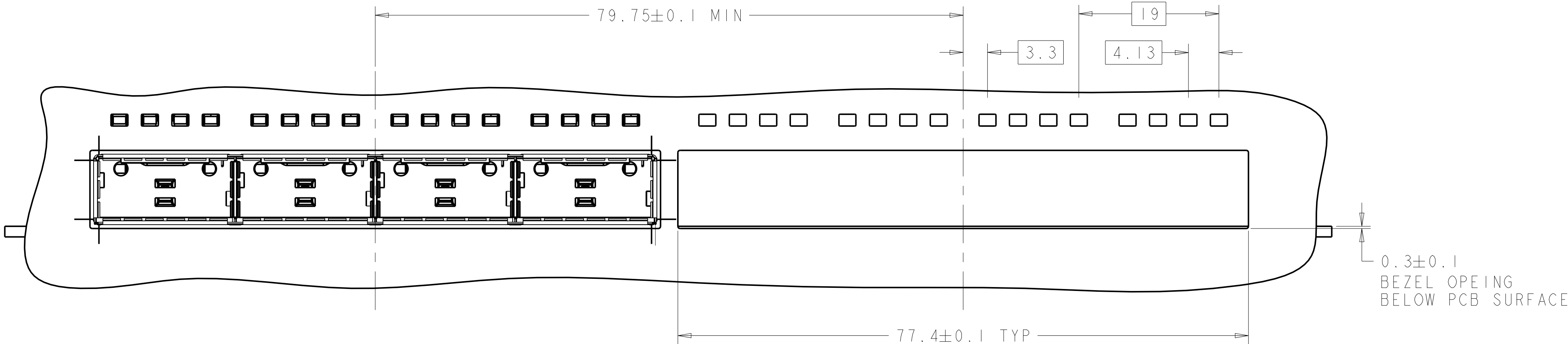
TE Connectivity

PRELIMINARY

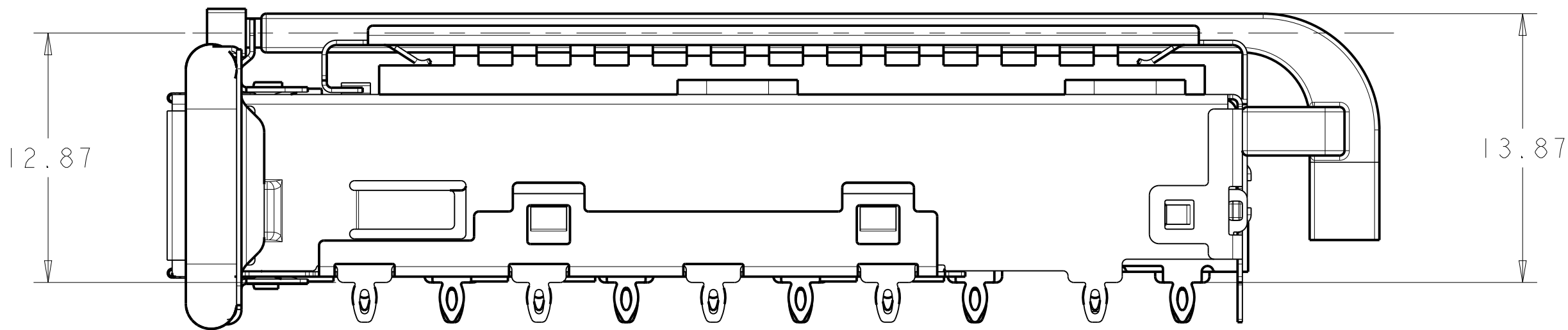
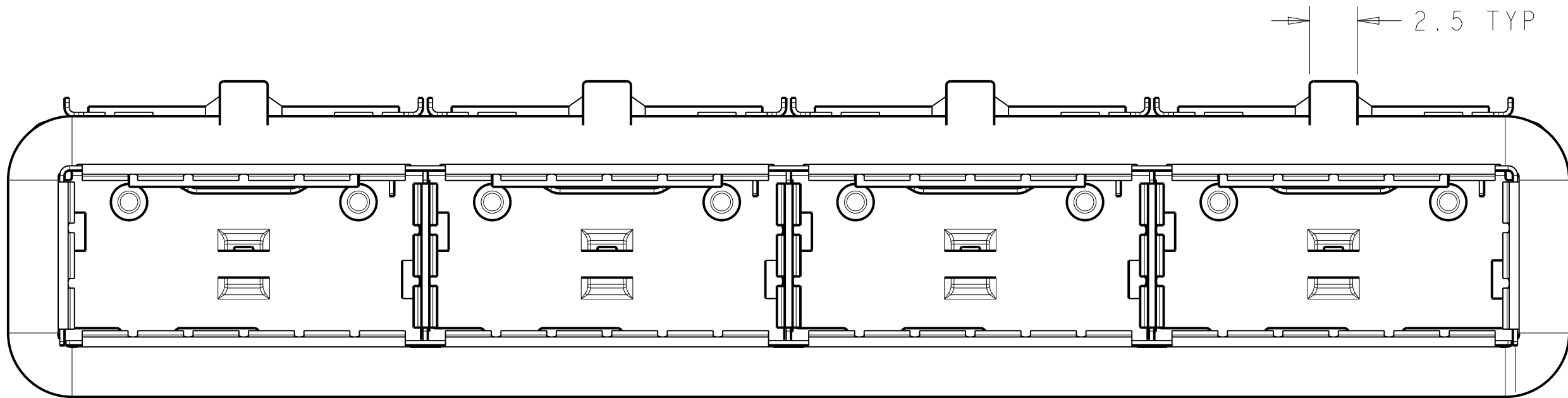
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P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



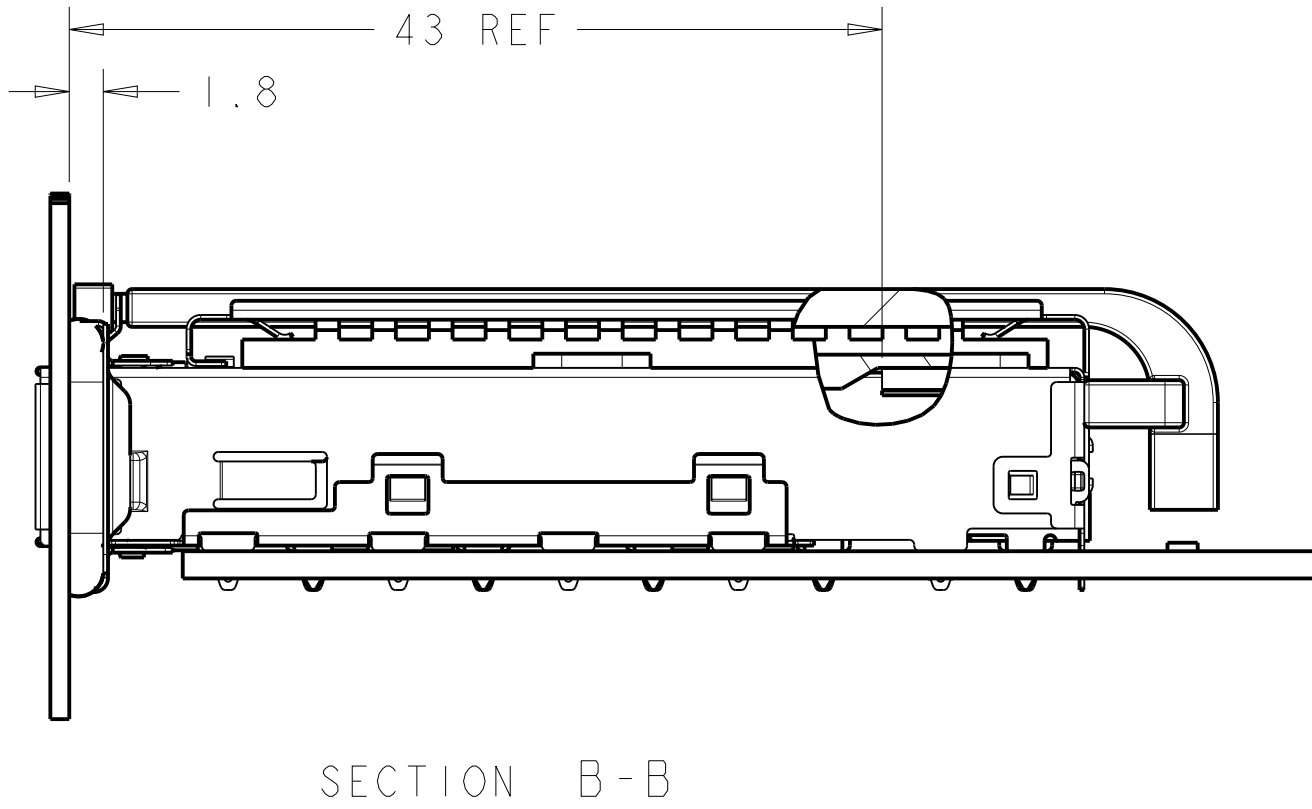
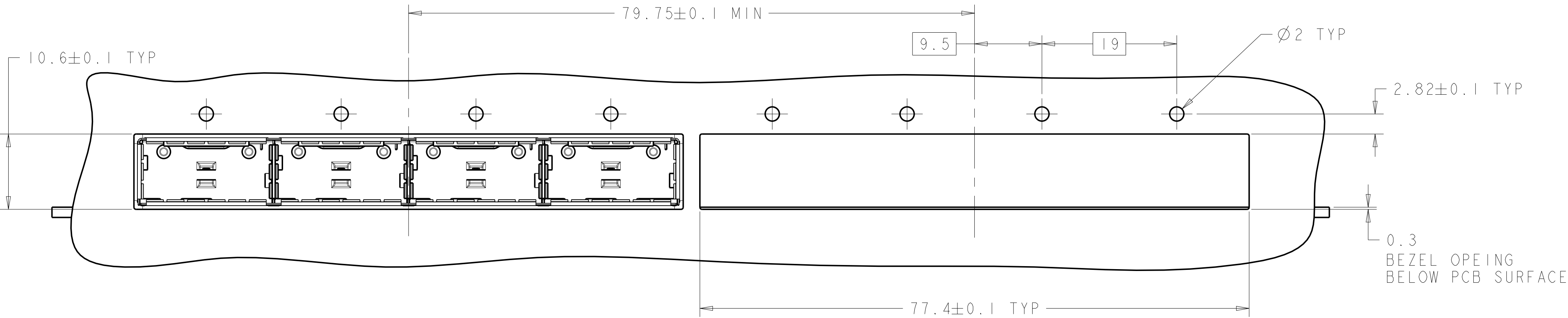
1-2170287-0 shown
SCALE 4:1



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



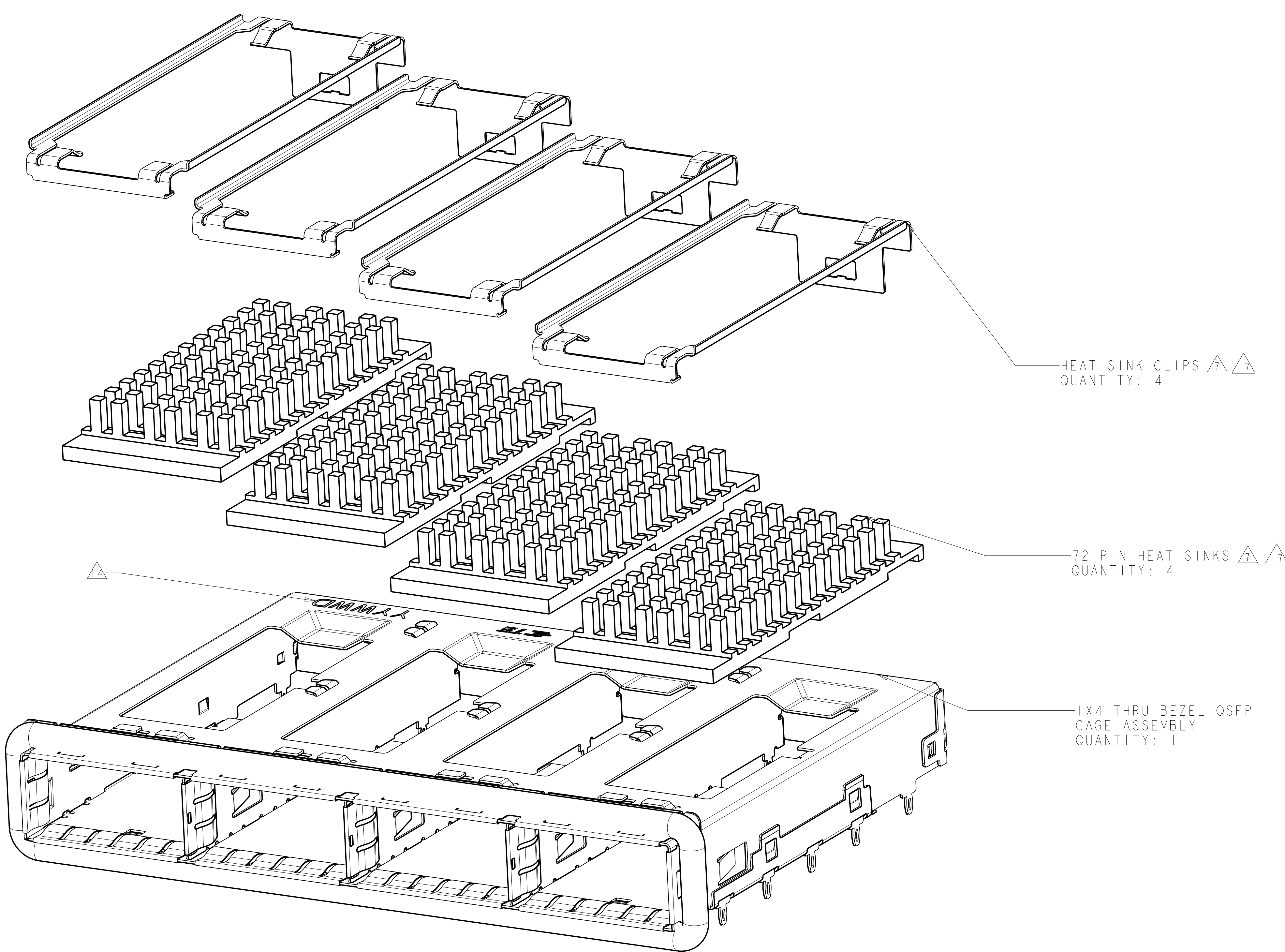
1-2170287-1 SHOWN
SCALE 4:1



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

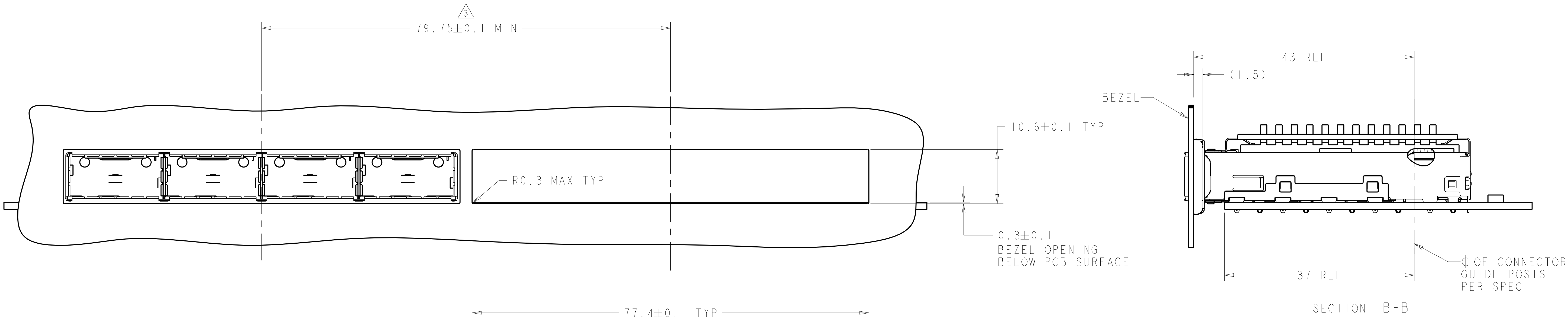
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012	 TE Connectivity	
DIMENSIONS:		CHK DENNY ZHU 29FEB2012		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 29FEB2012	NAME	1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP
	0 PLC ±0.35 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±0.25	PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217	SIZE	CAGE CODE DRAWING NO RESTRICTED TO
MATERIAL	FINISH	WEIGHT	A100779C=2170287	
-	-	-	Customer Drawing	SCALE 4:1 SHEET 2 OF 8 REV 10

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

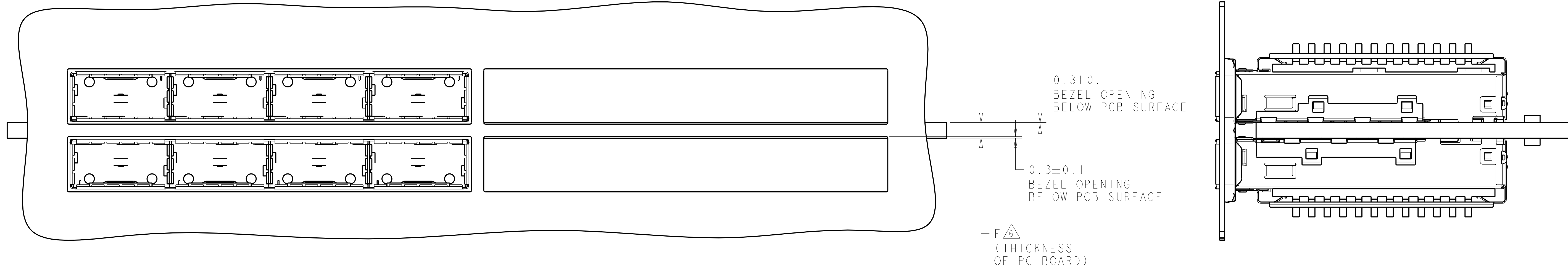


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	KINSEN SUN	29FEB2012	 TE Connectivity										
				CHK	DENNY ZHU	29FEB2012											
				APVD	AILEX CAI	29FEB2012	NAME										
DIMENSIONS: mm 				PRODUCT SPEC			1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP										
				APPLICATION SPEC													
				114-13217			SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO				
MATERIAL				WEIGHT		A100779C=2170287											
-				-		Customer Drawing				SCALE	4:1	SHEET	3	OF	8	REV	10

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

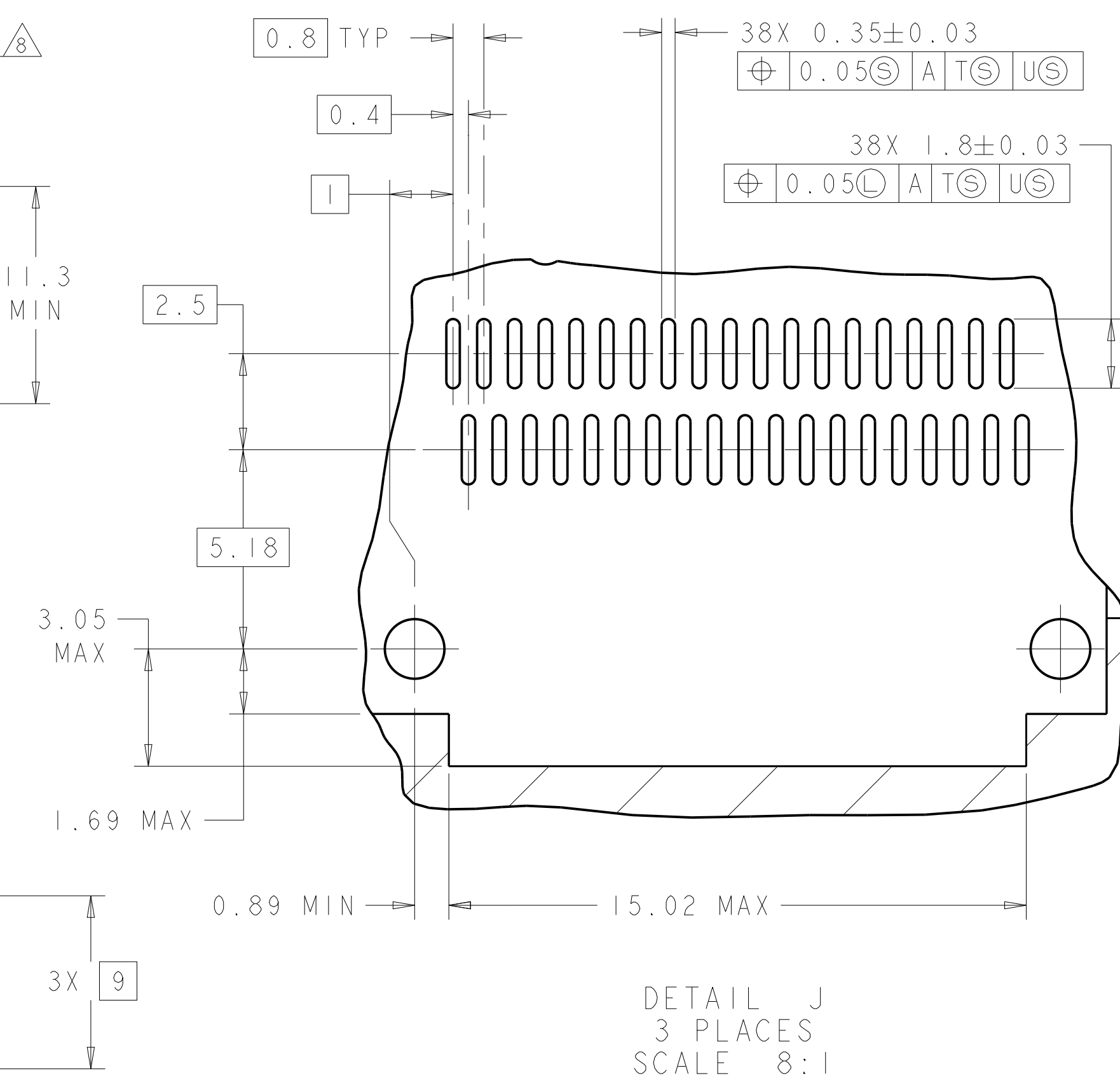
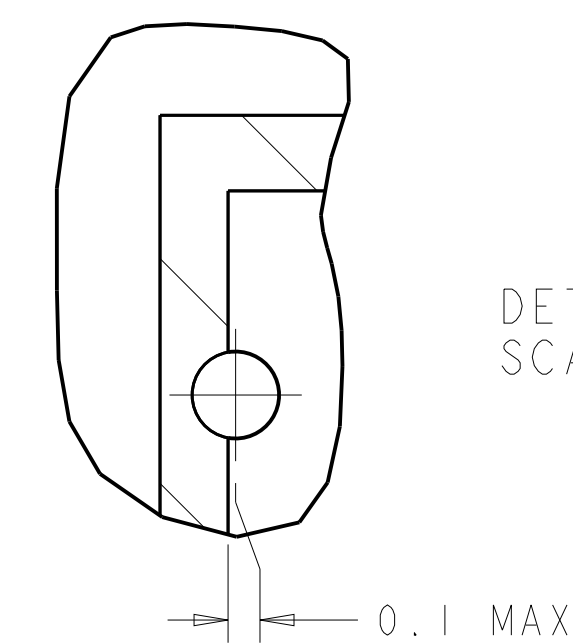


ONE SIDED CONFIGURATION
SCALE 5:2



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

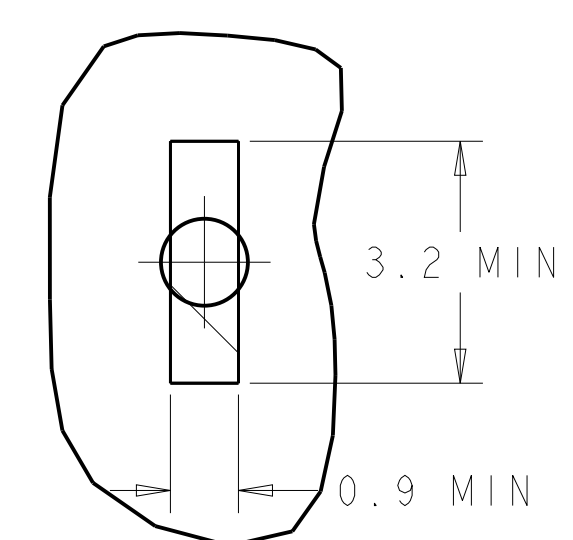
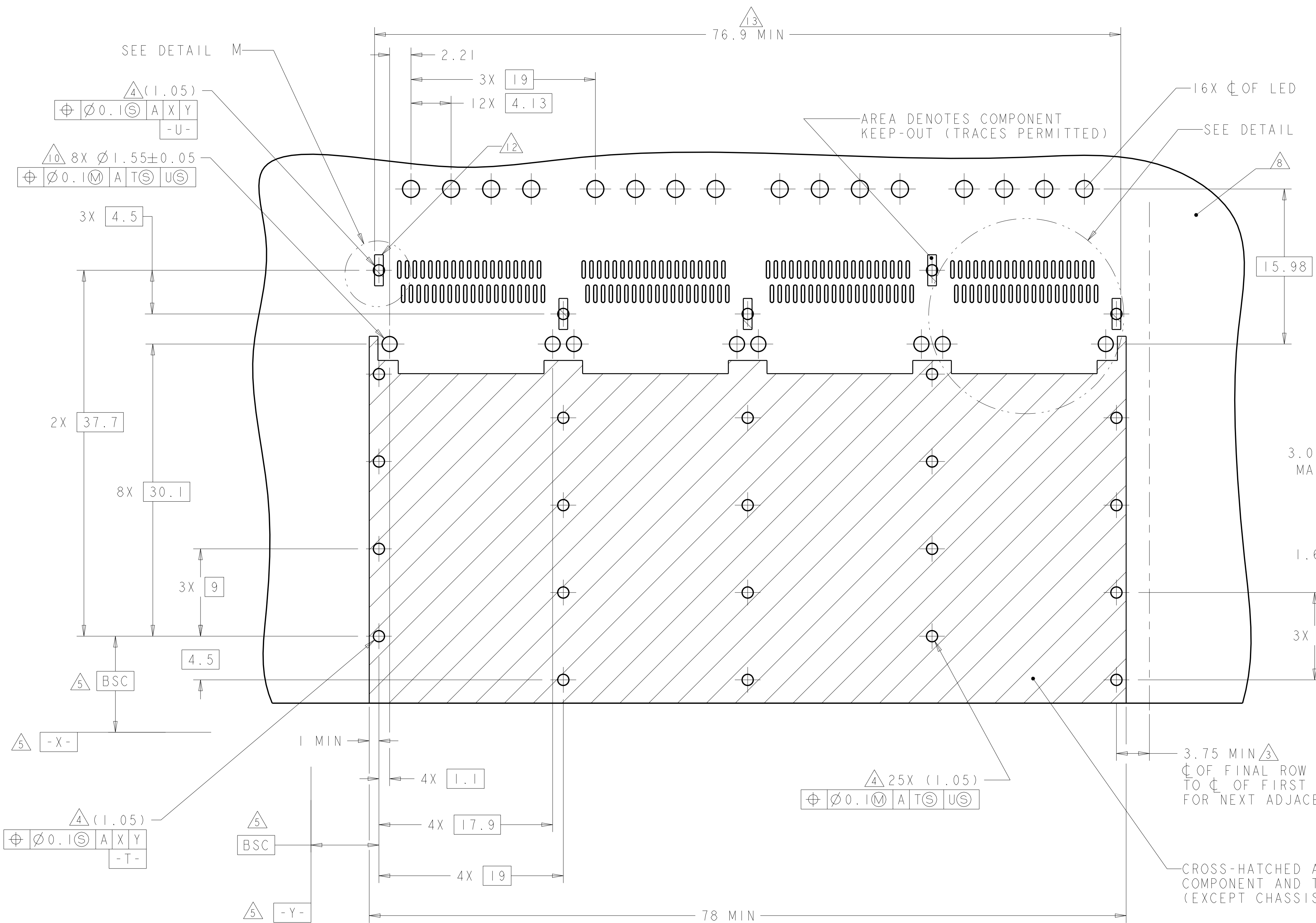
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN KINSEN SUN 29FEB2012		 TE Connectivity					
DIMENSIONS:				CHK DENNY ZHU 29FEB2012							
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:				NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP					
		APVD ALEX CAI 29FEB2012									
		PRODUCT SPEC									
		108-2286									
		APPLICATION SPEC									
		114-13217									
		WEIGHT -									
MATERIAL -		FINISH -						SIZE CAGE CODE DRAWING NO		RESTRICTED TO	
-		-						A100779C=2170287		-	
Customer Drawing								SCALE 4:1		SHEET 4 OF 8	



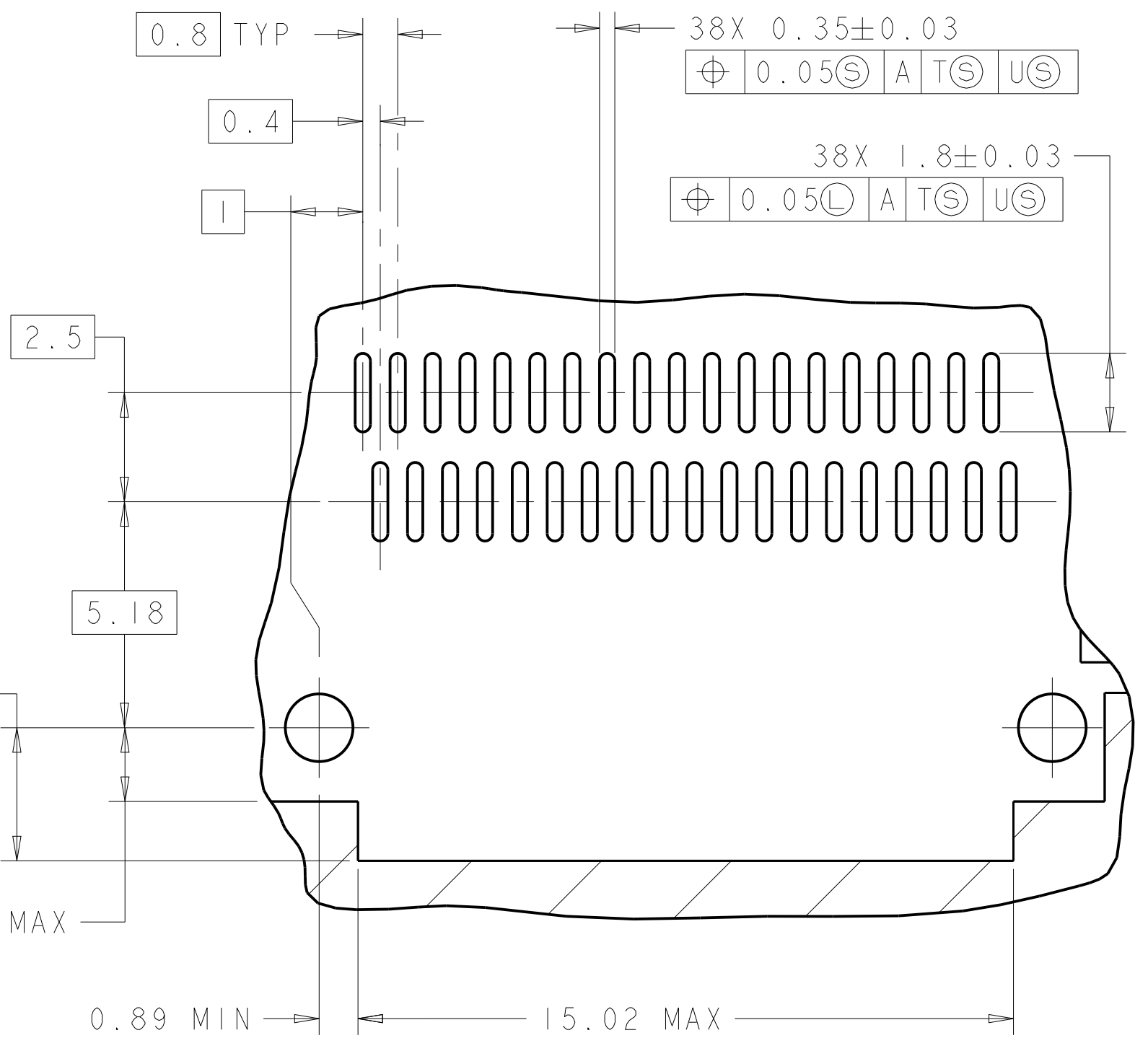
DETAIL J
3 PLACES
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. KINSEN SUN 29FEB2012 CHK. DENNY ZHU 29FEB2012 APPR. 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 ±.		NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP SIZE A100779	
MATERIAL -		FINISH -		DRAWING NO C=2170287	
WEIGHT -		RESTRICTED TO -		SCALE 4:1 SHEET 5 OF 8 REV 10	
Customer Drawing					

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



DETAIL M
SCALE 10:1

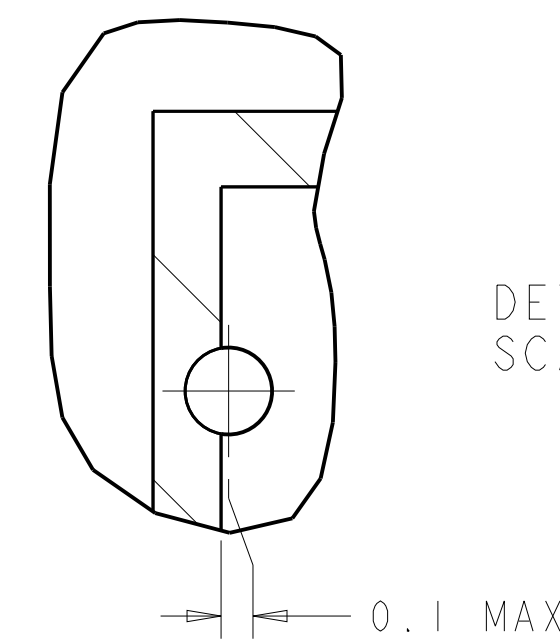


DETAIL J
3 PLACES
SCALE 8:1

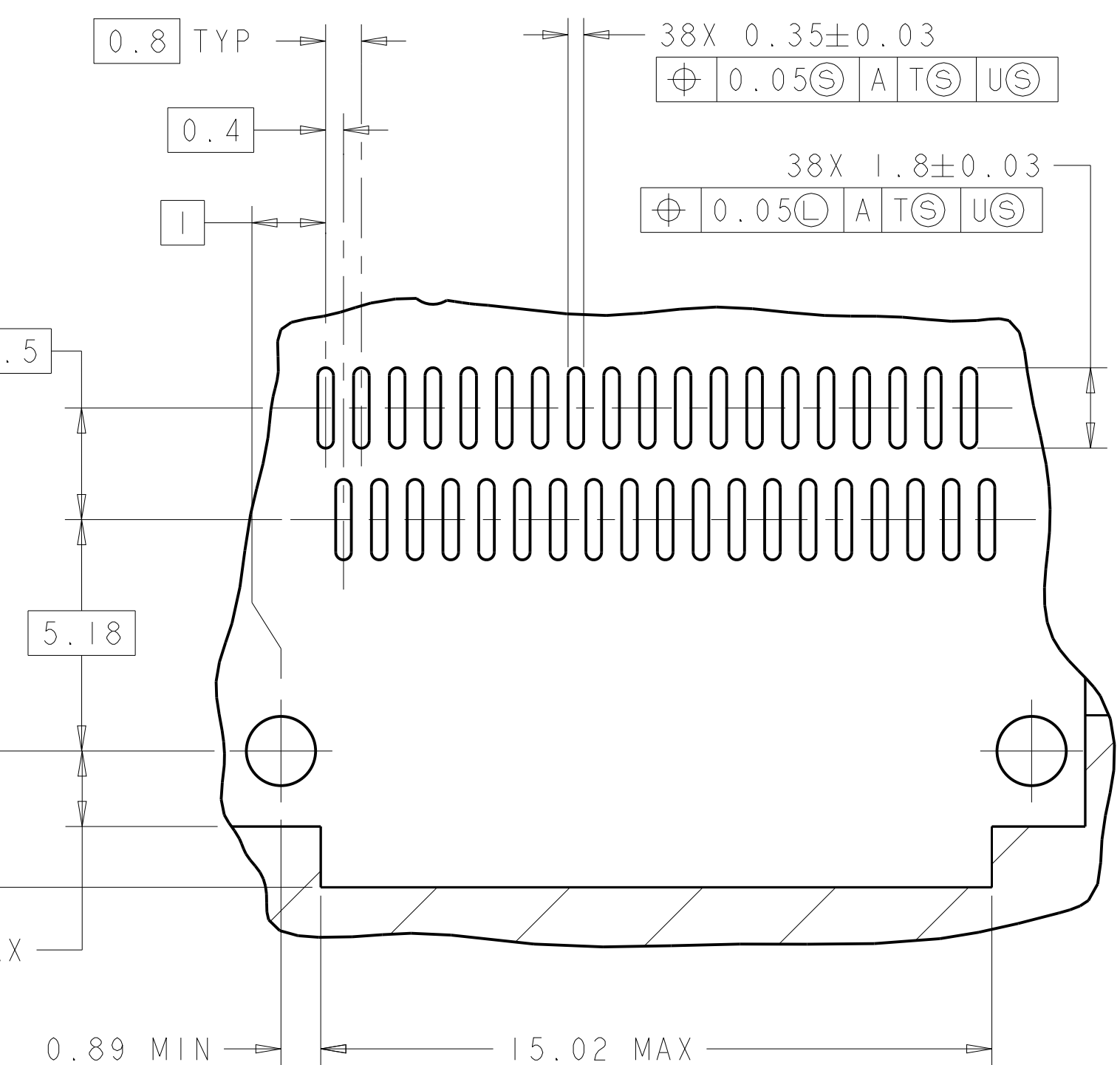
RECOMMENDED PC BOARD LAYOUT FOR 1-2170287-0
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

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		
	0 PLC	±			PRODUCT SPEC		
	1 PLC	±0.35			108-2286		
	3 PLC	±0.25			APPLICATION SPEC		
	4 PLC	±			114-13217		
MATERIAL	FINISH	ANGLES	WEIGHT		SIZE		
-	-	-	-		A100779C=2170287		
Customer Drawing					RESTRICTED TO		
					SCALE 1:1 SHEET 6 OF 8 REV 10		



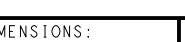
DETAIL M
SCALE 10:1



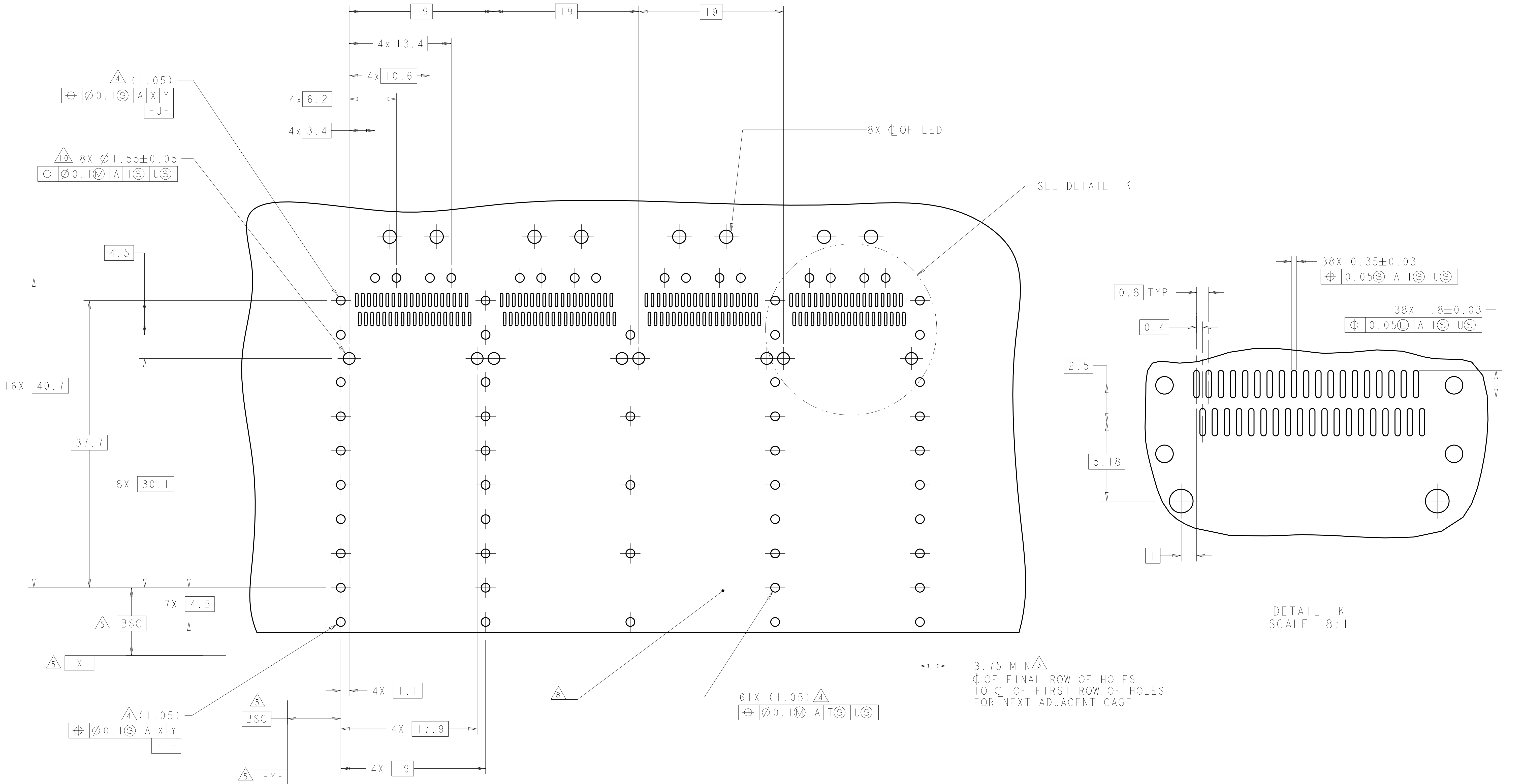
DETAIL J
3 PLACES
SCALE 8:1

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

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

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 ±.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 A1 CASE CODE 00779 DRAWING NO C=2170287	
Customer Drawing		SCALE 1:1		SHEET 7 of 8 REV 1	

LOC		DIST		REVISONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-		SEE SHEET 1		-	-	-	



RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS
SCALE 4:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012		
DIMENSIONS:		CHK DENNY ZHU 29FEB2012		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD AILEY CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
	0 PLC ±0.35	PRODUCT SPEC 108-2286	SIZE CAGE CODE DRAWING NO	
	1 PLC ±0.25	APPLICATION SPEC 114-13217	A100779C=2170287	
MATERIAL	FINISH	WEIGHT	RESTRICTED TO	
-	-	-	Customer Drawing	
		SCALE 4:1	SHEET 8 OF 8	REV 10



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

Электронная почта: org@eplast1.ru

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