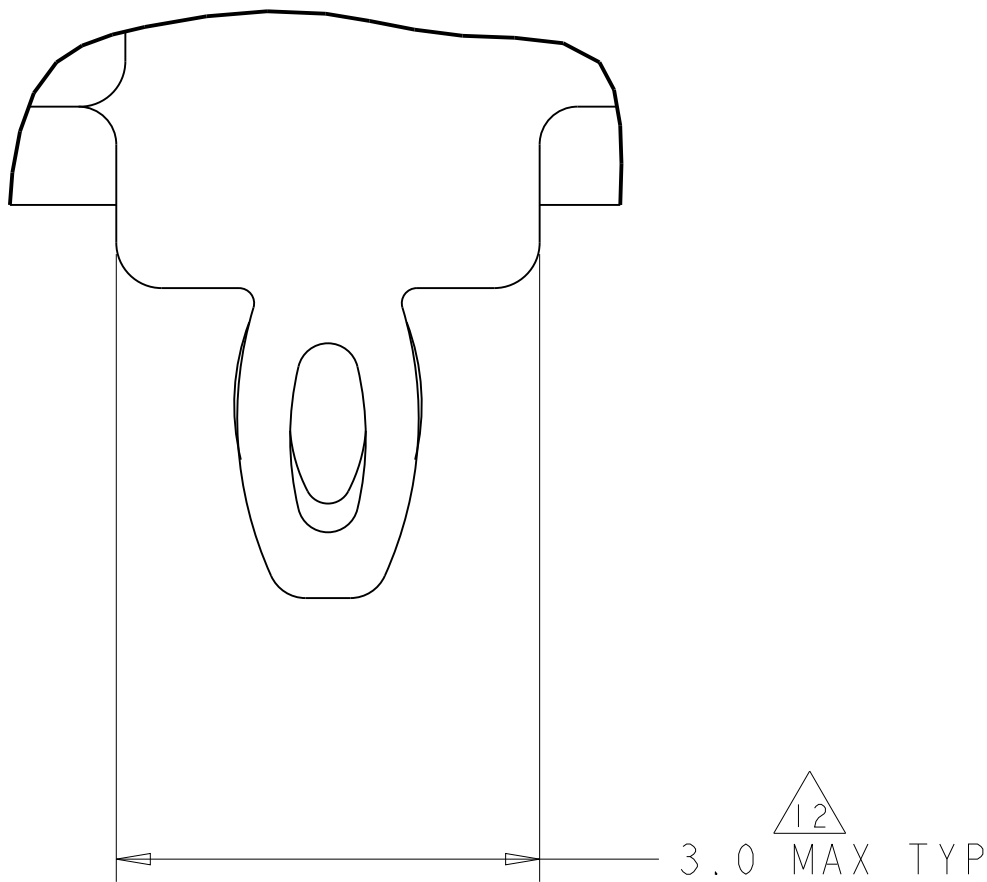


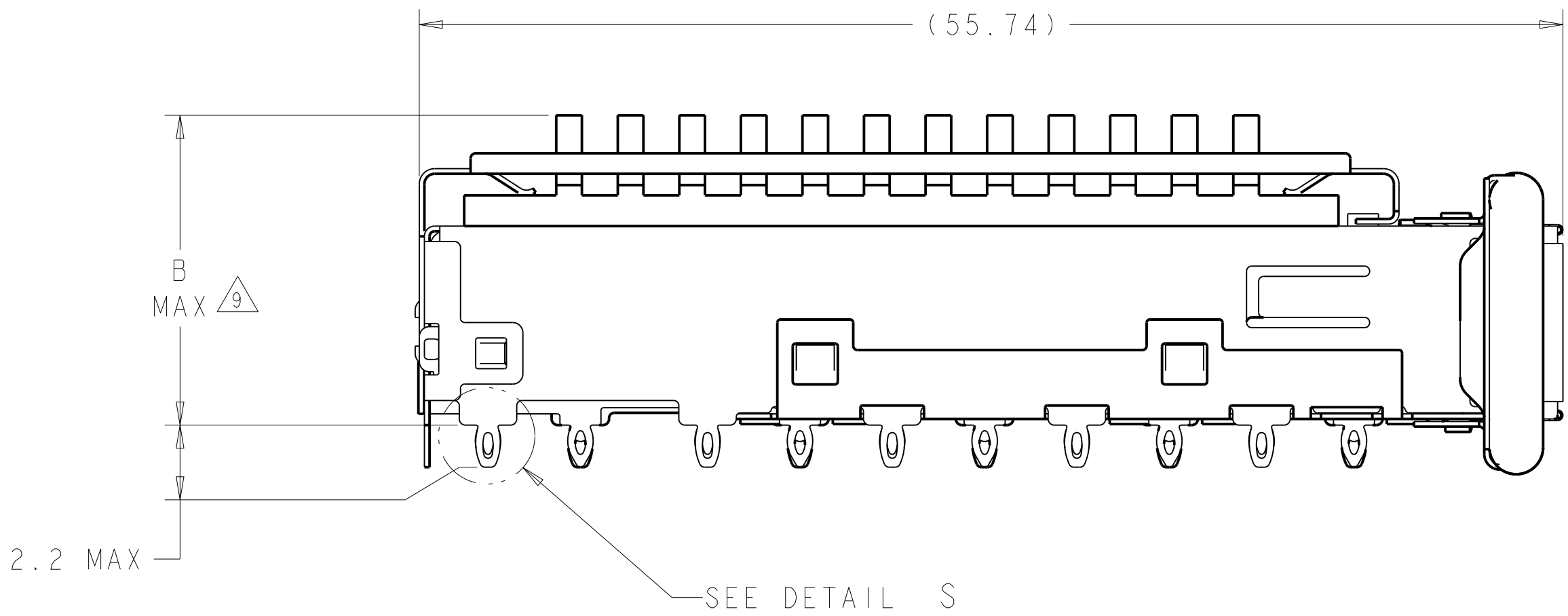
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			7	ADD -10 PART NUMBER	21MAR2014	RG	MC
			8	ADD -11 PART NUMBER	16APR2014	RG	MC
			9	MODIFY -10 LIGHT PIPE	15JUL2014	RG	MC
			10	ADD ORGANIZER ON -10	9DEC2014	RG	MC



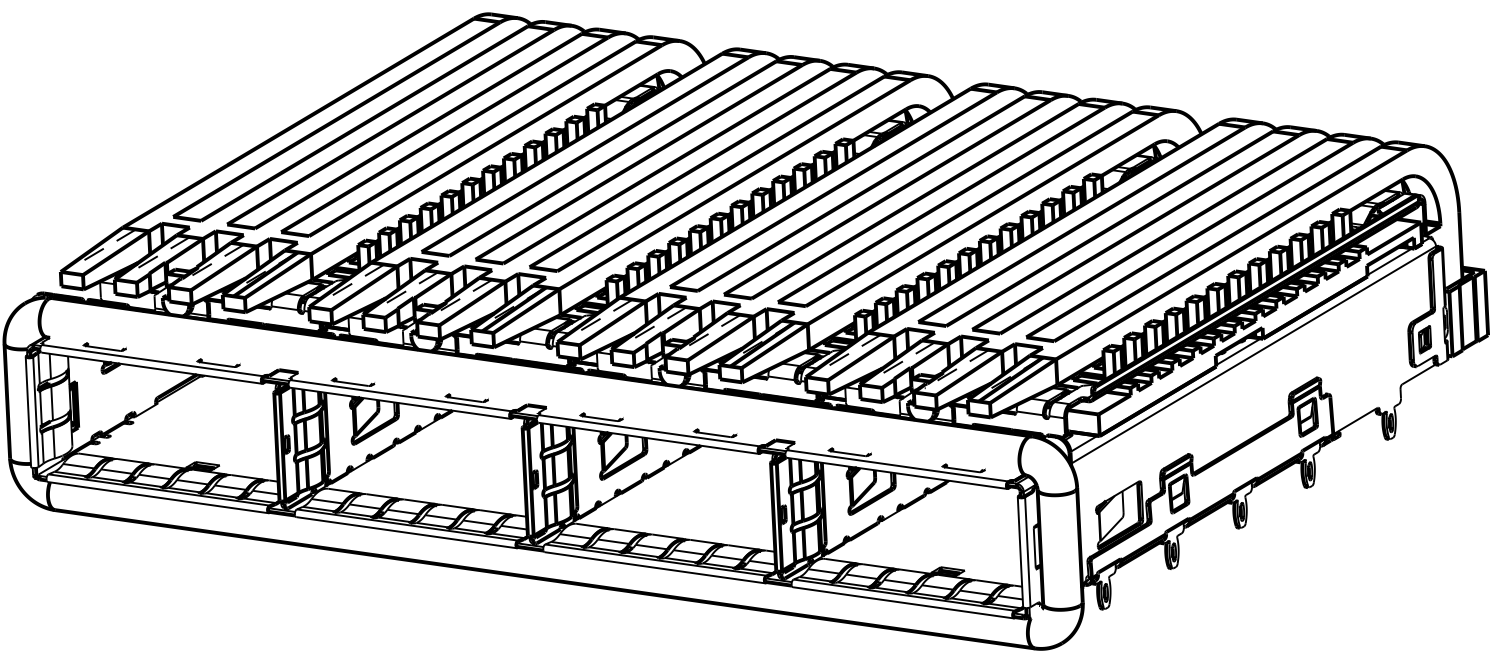
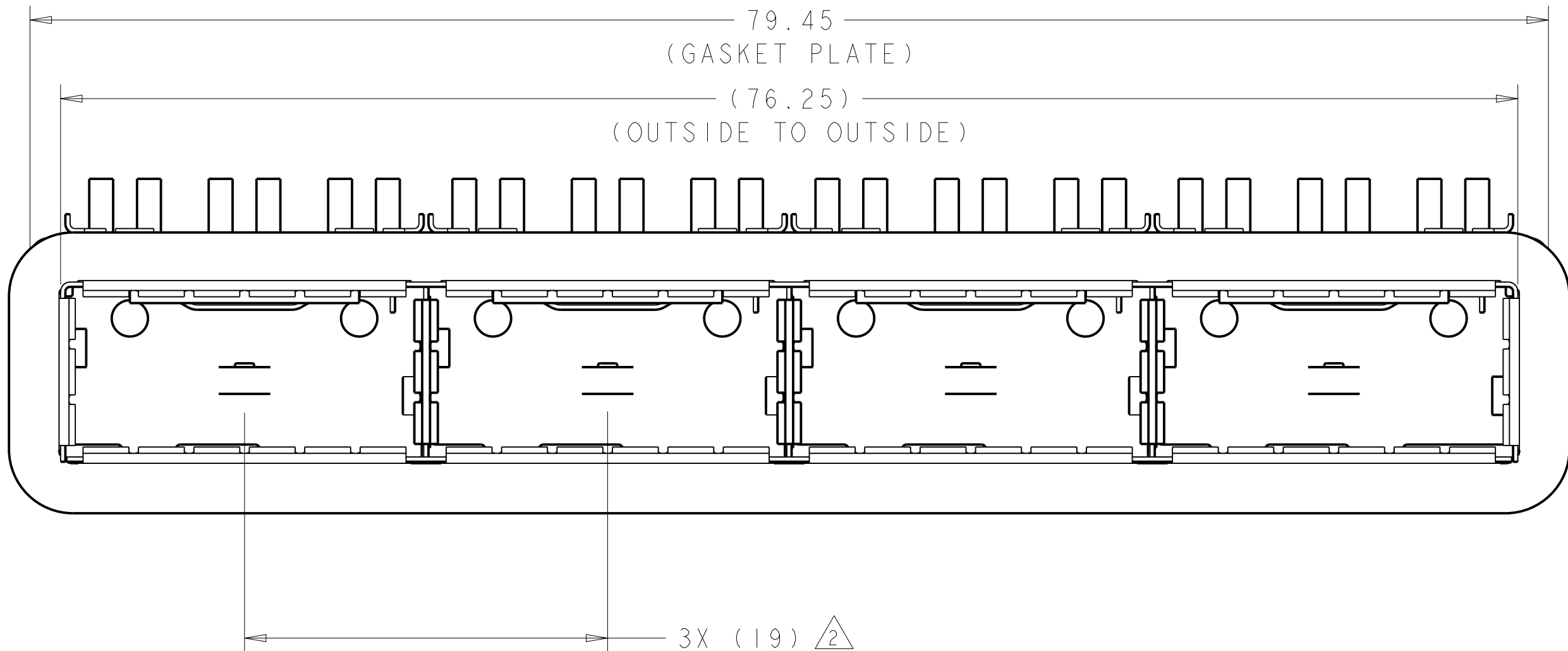
DETAIL S
SCALE 20:1

- 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.

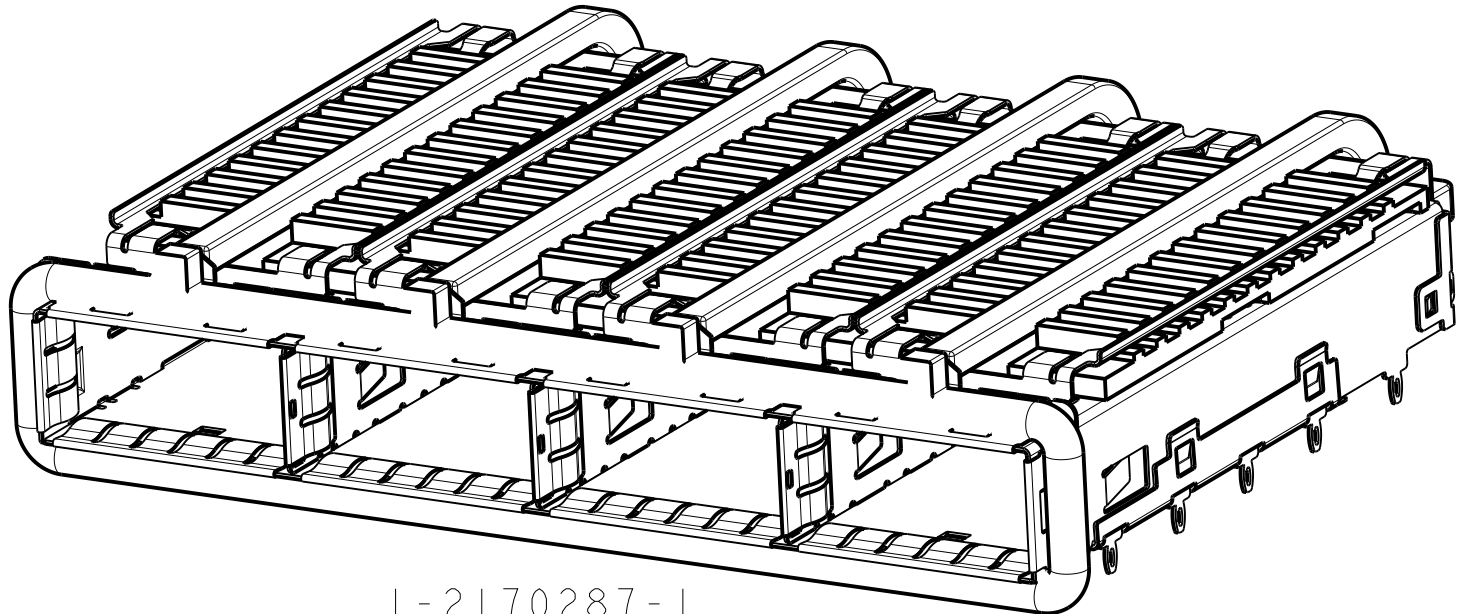
11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 12 SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- 13 BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- 14 DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS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



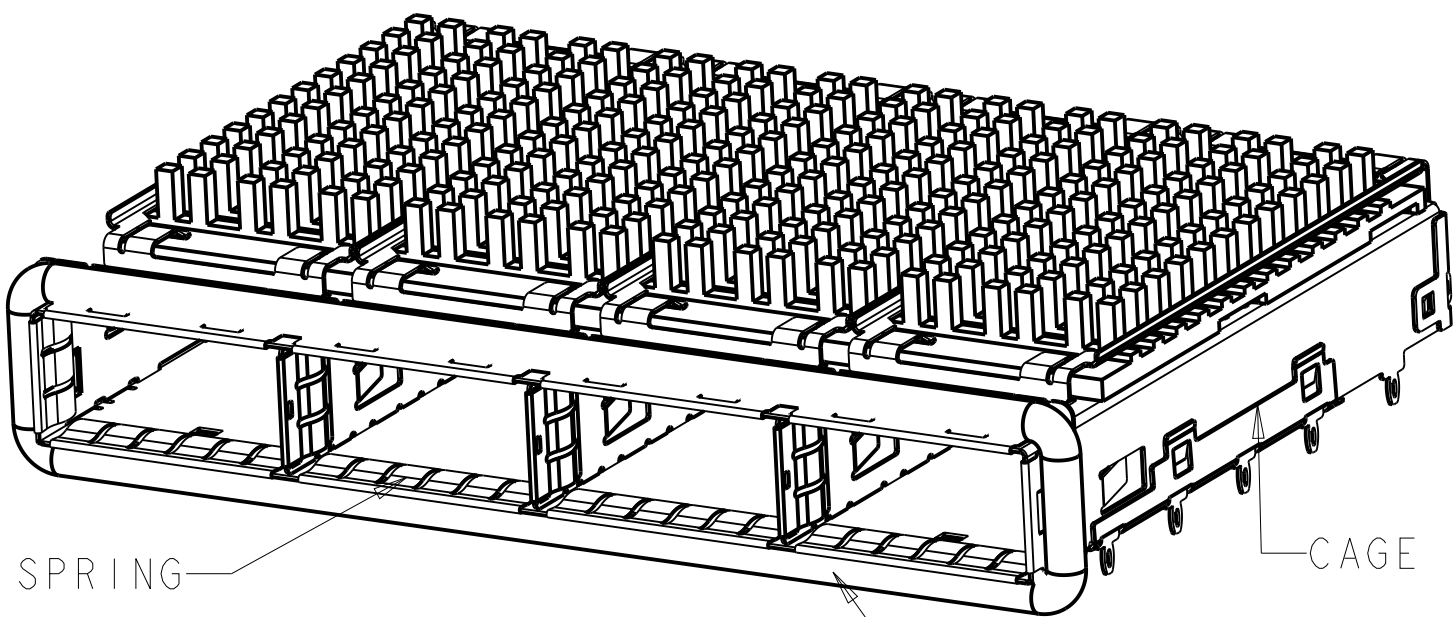
2170287-4,2170287-5,2170287-6
SCALE 2:1



1-2170287-0
SCALE 2:1

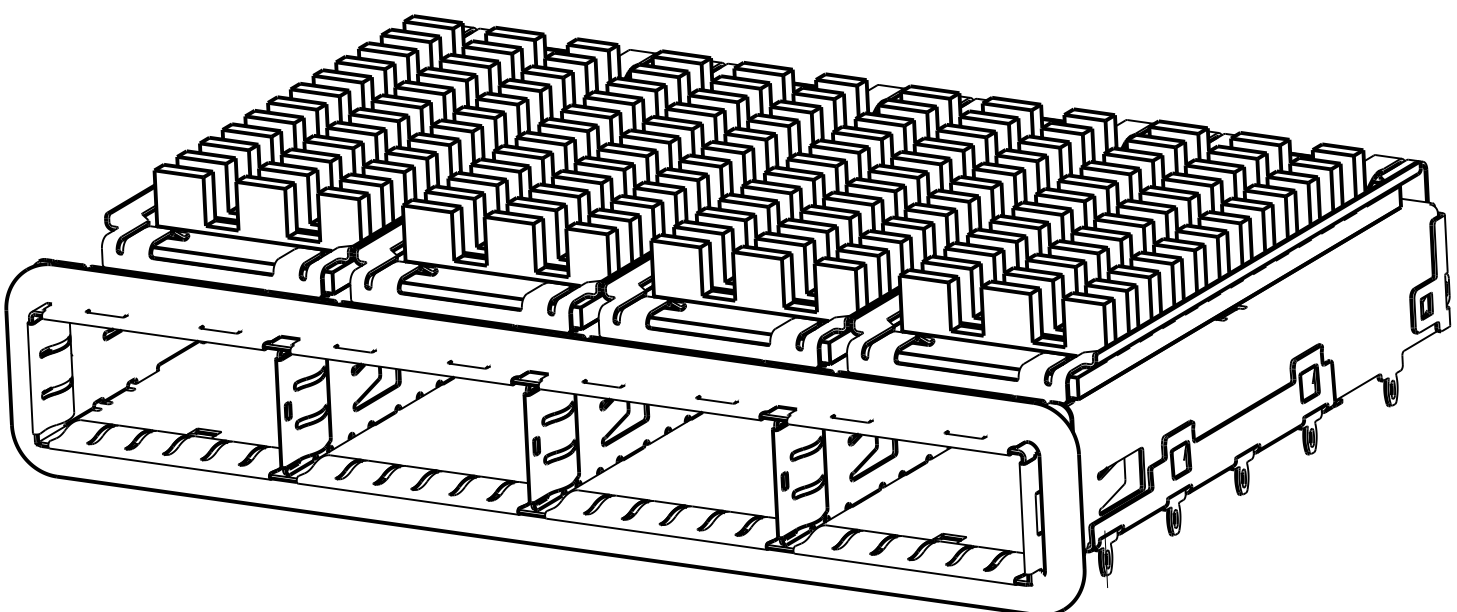


1-2170287-1
SCALE 2:1



EMI SPRING
CAGE ASSEMBLY
ELASTOMERIC GASKET

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



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

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

PRODUCT SPEC

108-2286

APPLICATION SPEC

114-13217

WEIGHT

-

Customer Drawing

SCALE 4:1

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

SIZE A1

00779

C=2170287

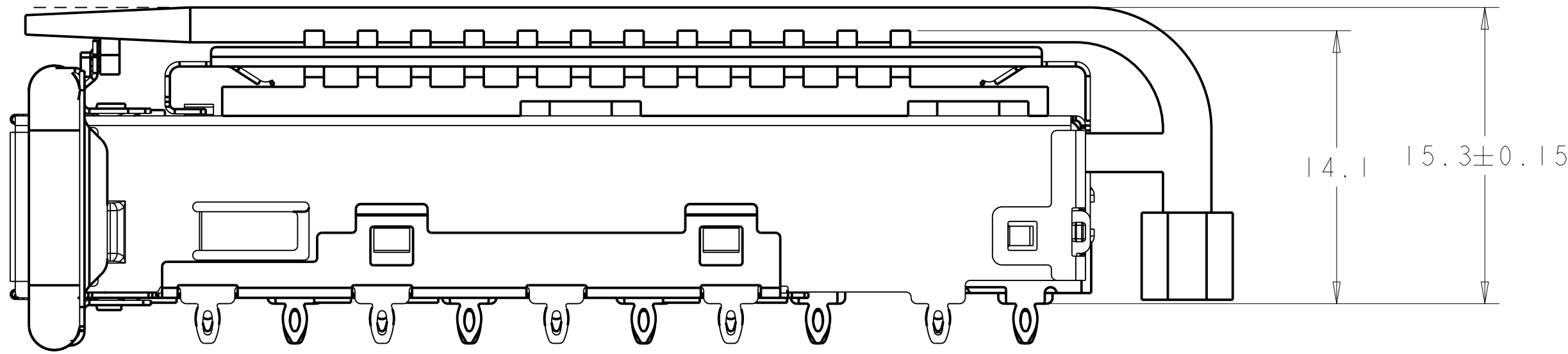
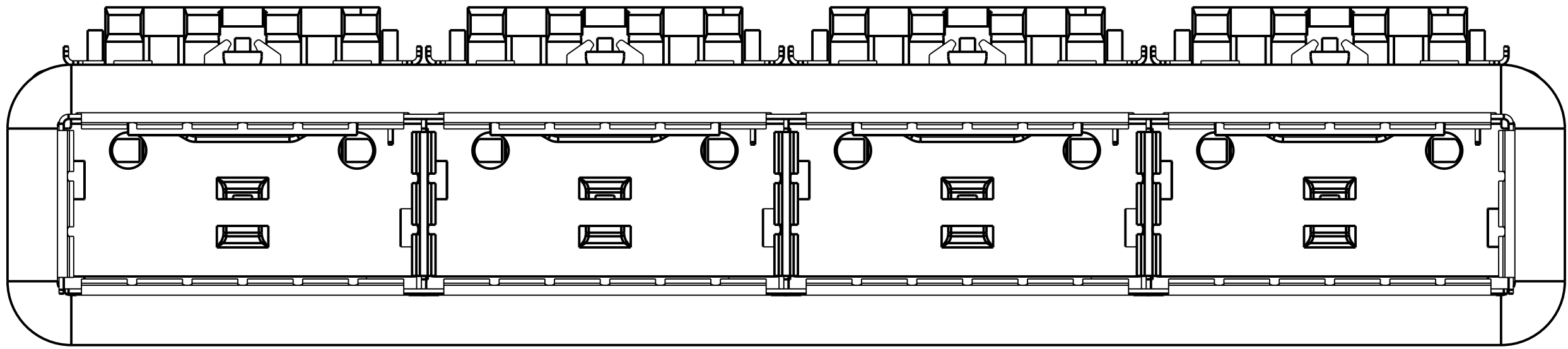
SHEET 1 OF 8

REV 10

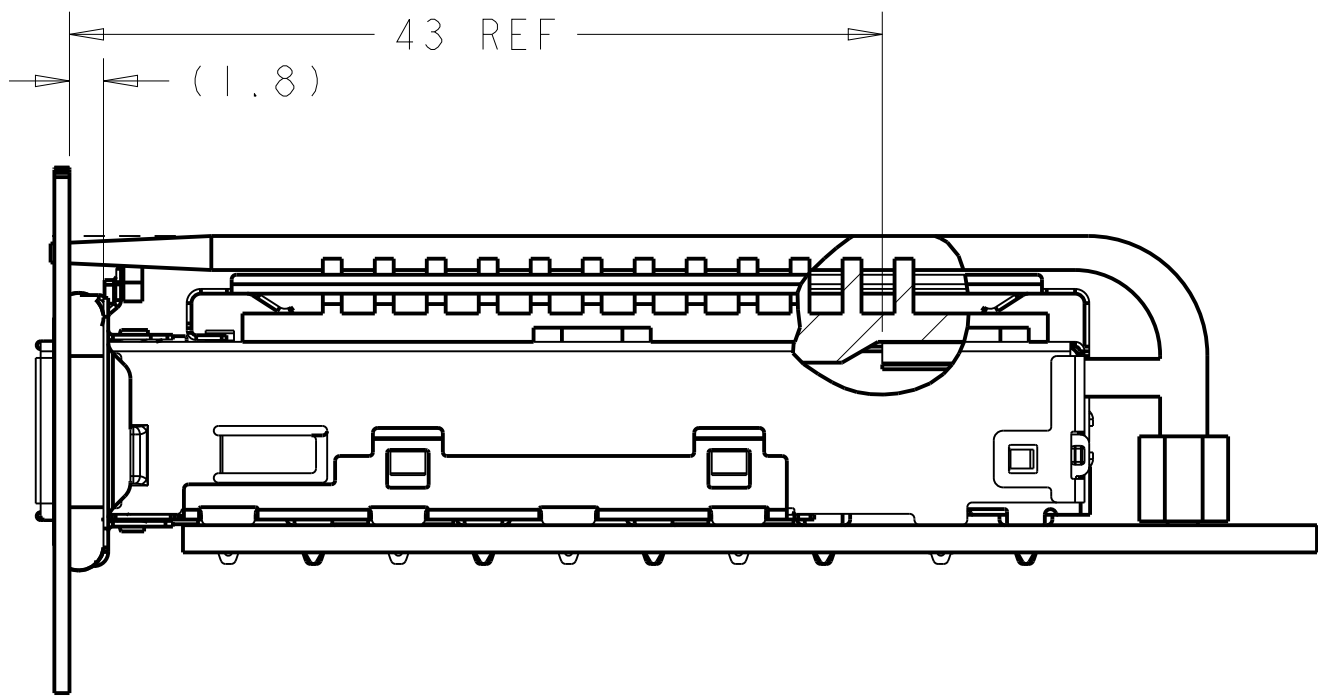
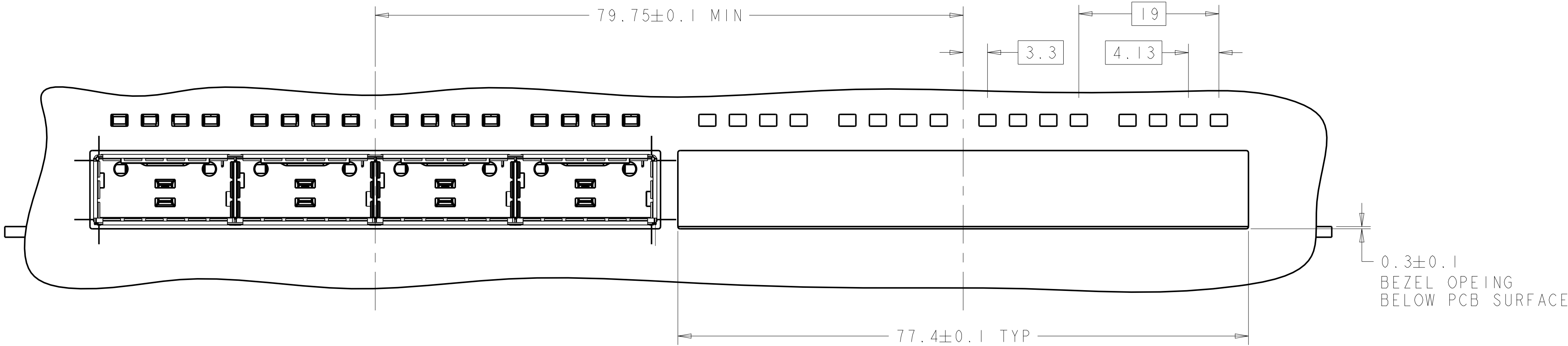
TE Connectivity

PRELIMINARY

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

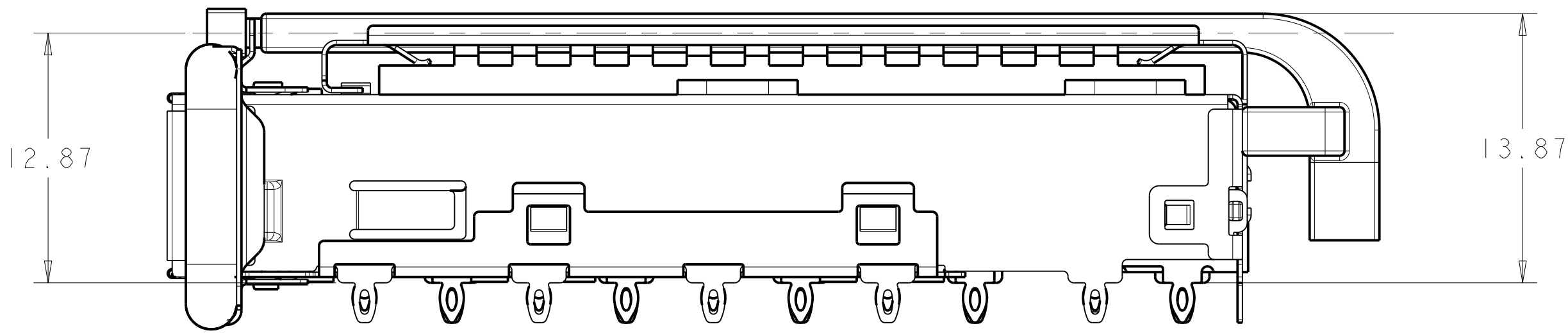
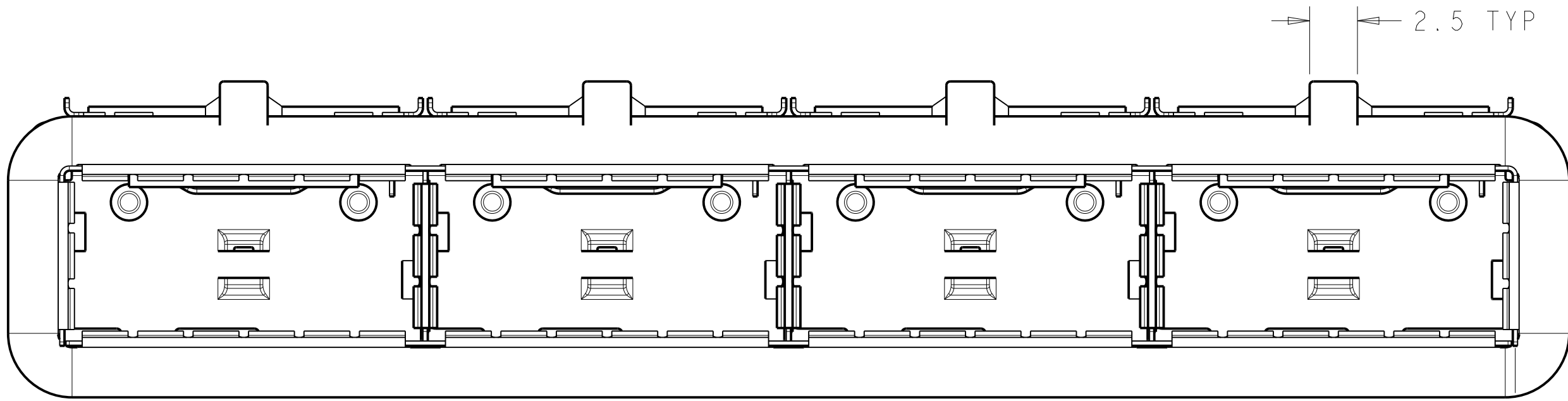


1-2170287-0 shown
SCALE 4:1

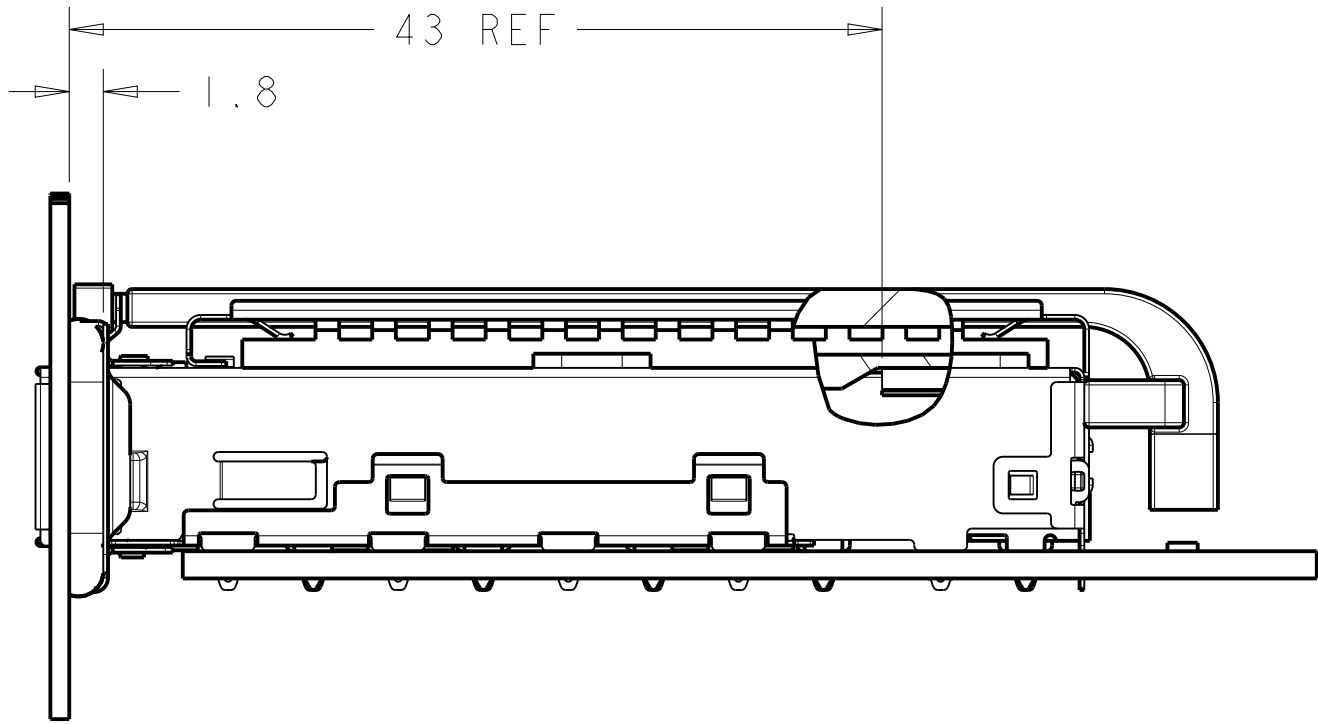
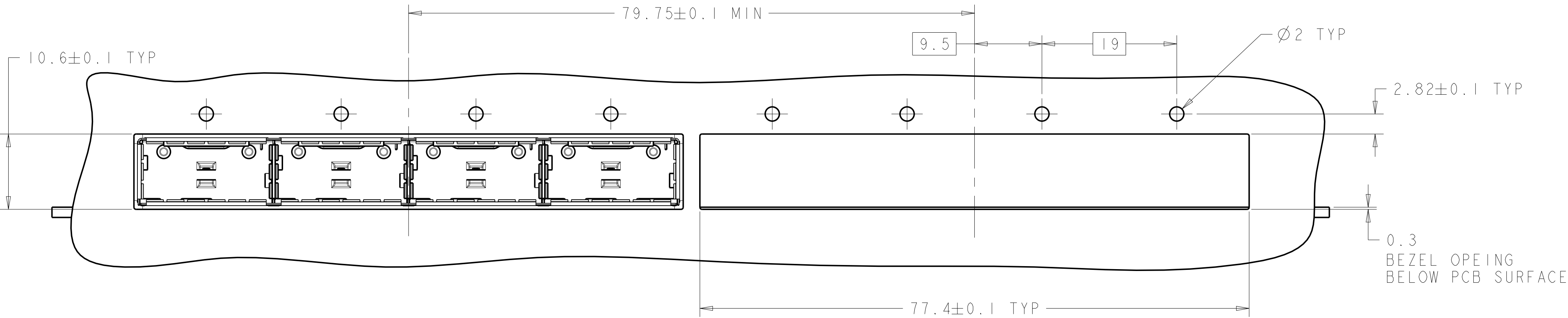


SECTION B-B

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

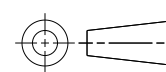


1-2170287-1 SHOWN
SCALE 4:1

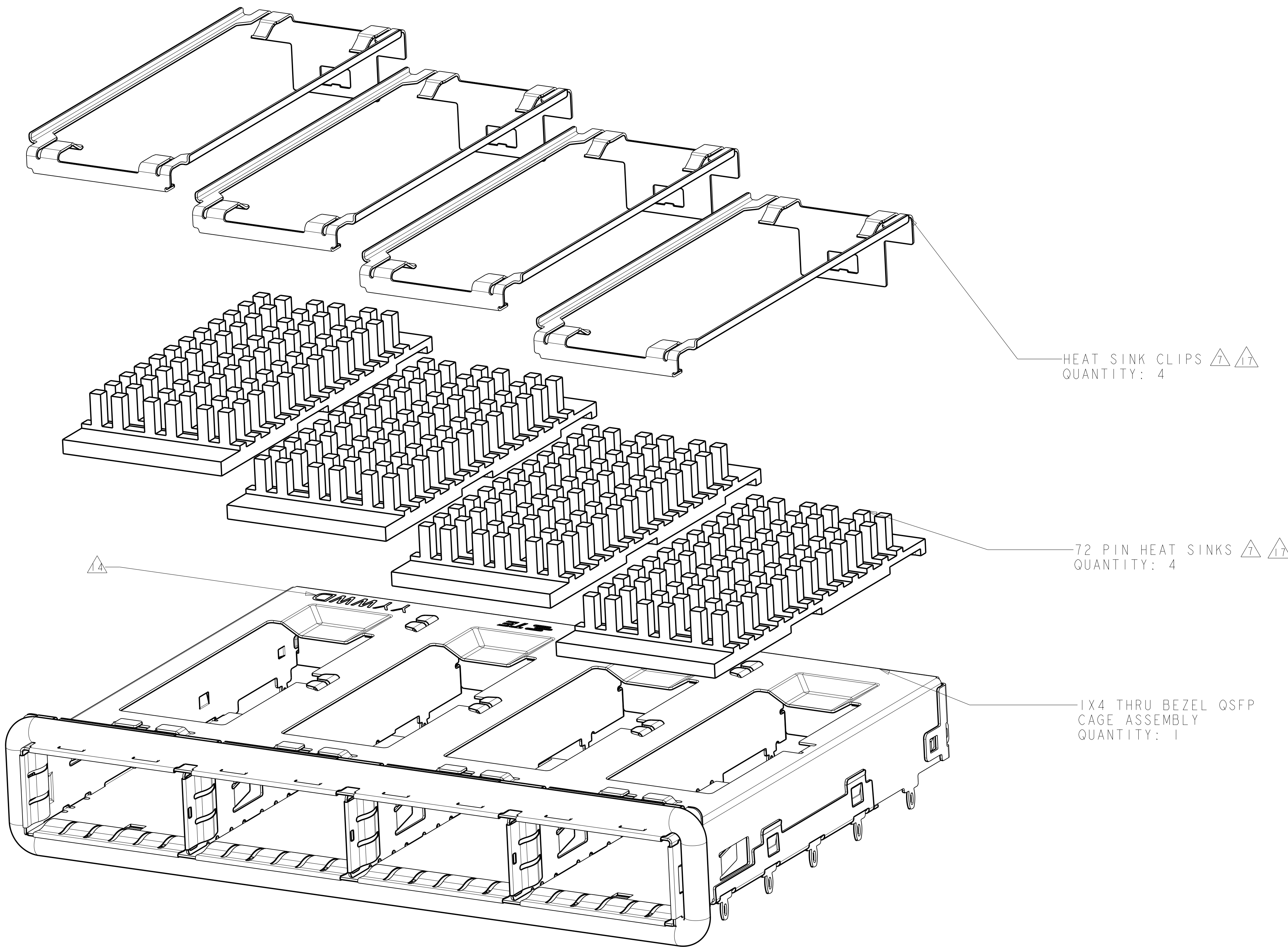


SECTION B-B

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

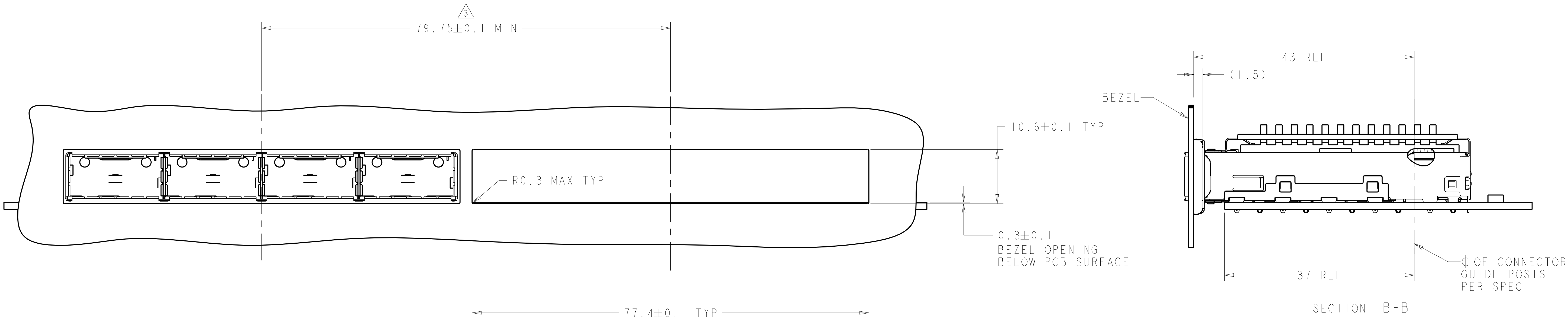
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN 29FEB2012	 TE Connectivity	
		CHK DENNY ZHU 29FEB2012		
DIMENSIONS:		APVD ALEX CAI 29FEB2012	NAME	
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:		1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
	0 PLC ±0.35	PRODUCT SPEC	SIZE	
	1 PLC ±0.25	APPLICATION SPEC		
	2 PLC ±	114-13217		
	3 PLC ±	WEIGHT		
	4 PLC ±	Customer Drawing		
MATERIAL	FINISH		A100779C=2170287	
-	-		RESTRICTED TO	
		SCALE 4:1	SHEET 2 OF 8	
		REV 10		

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

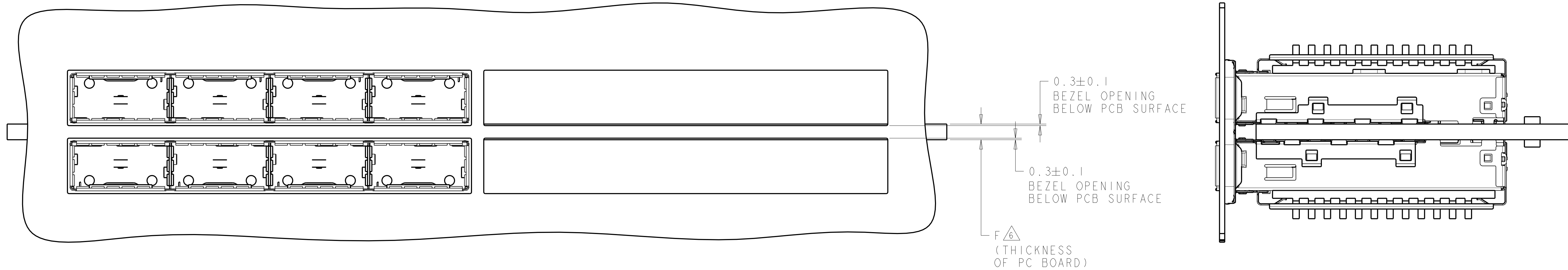


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	KINSEN SUN	29FEB2012	TE Connectivity	
		CHK	DENNY ZHU	29FEB2012		
		APVD	AILEY CAI	29FEB2012	NAME	
		PRODUCT SPEC			1X4 CAGE ASSEMBLY, THRU BEZEL,	
		APPLICATION SPEC			W/ELASTOMERIC GASKET AND HEAT SINKS,	
		FINISH			QSFP	
		WEIGHT			SIZE	
		Customer Drawing			A100779C=2170287	
		Customer Drawing			RESTRICTED TO	
		Customer Drawing			-	
		Customer Drawing			SCALE	
		Customer Drawing			4:1	
		Customer Drawing			SHEET	
		Customer Drawing			3	
		Customer Drawing			OF	
		Customer Drawing			8	
		Customer Drawing			REV	
		Customer Drawing			10	

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

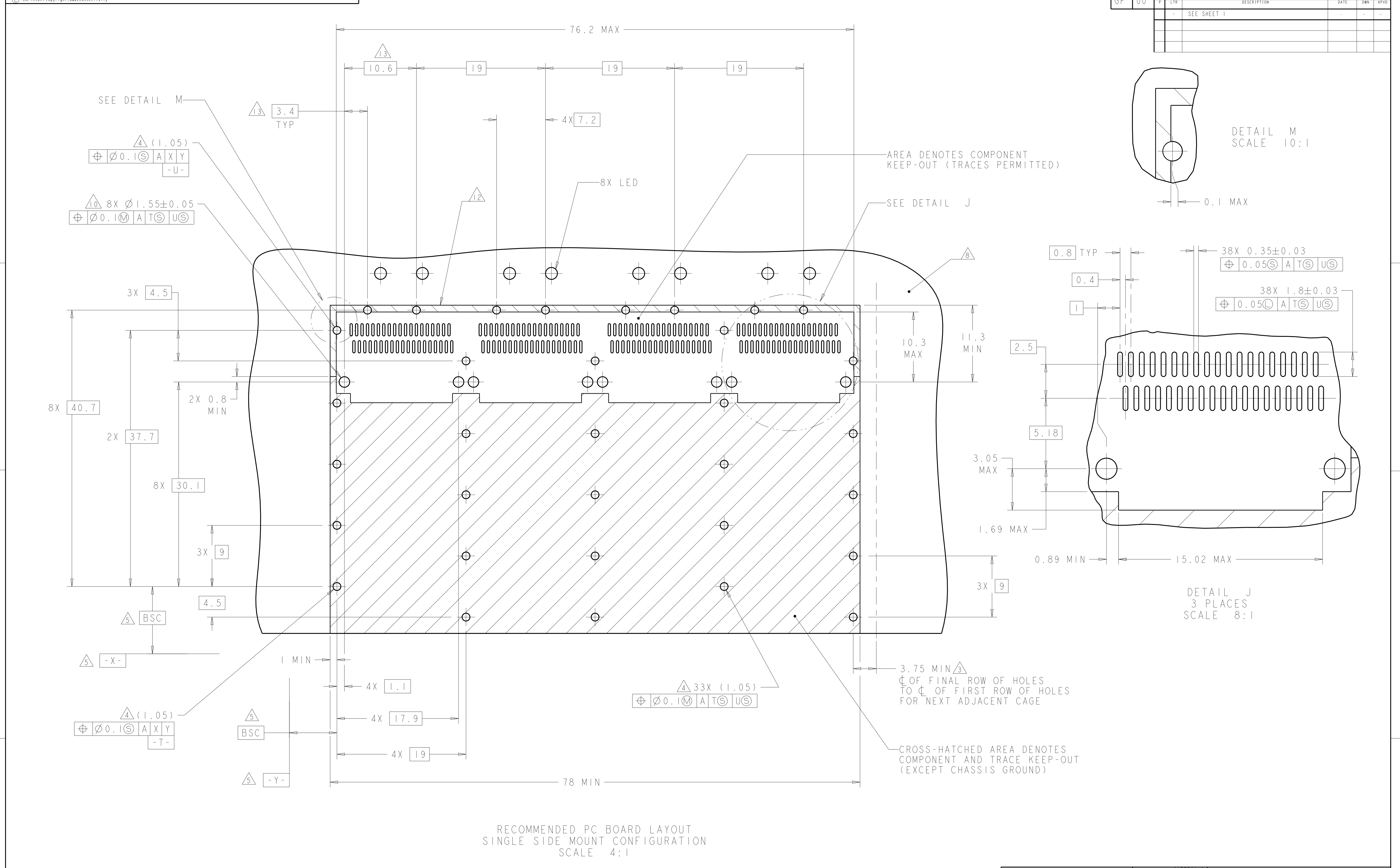


ONE SIDED CONFIGURATION
SCALE 5:2

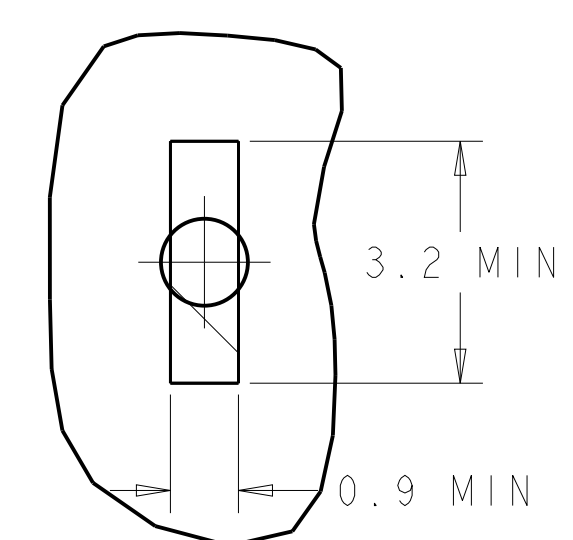
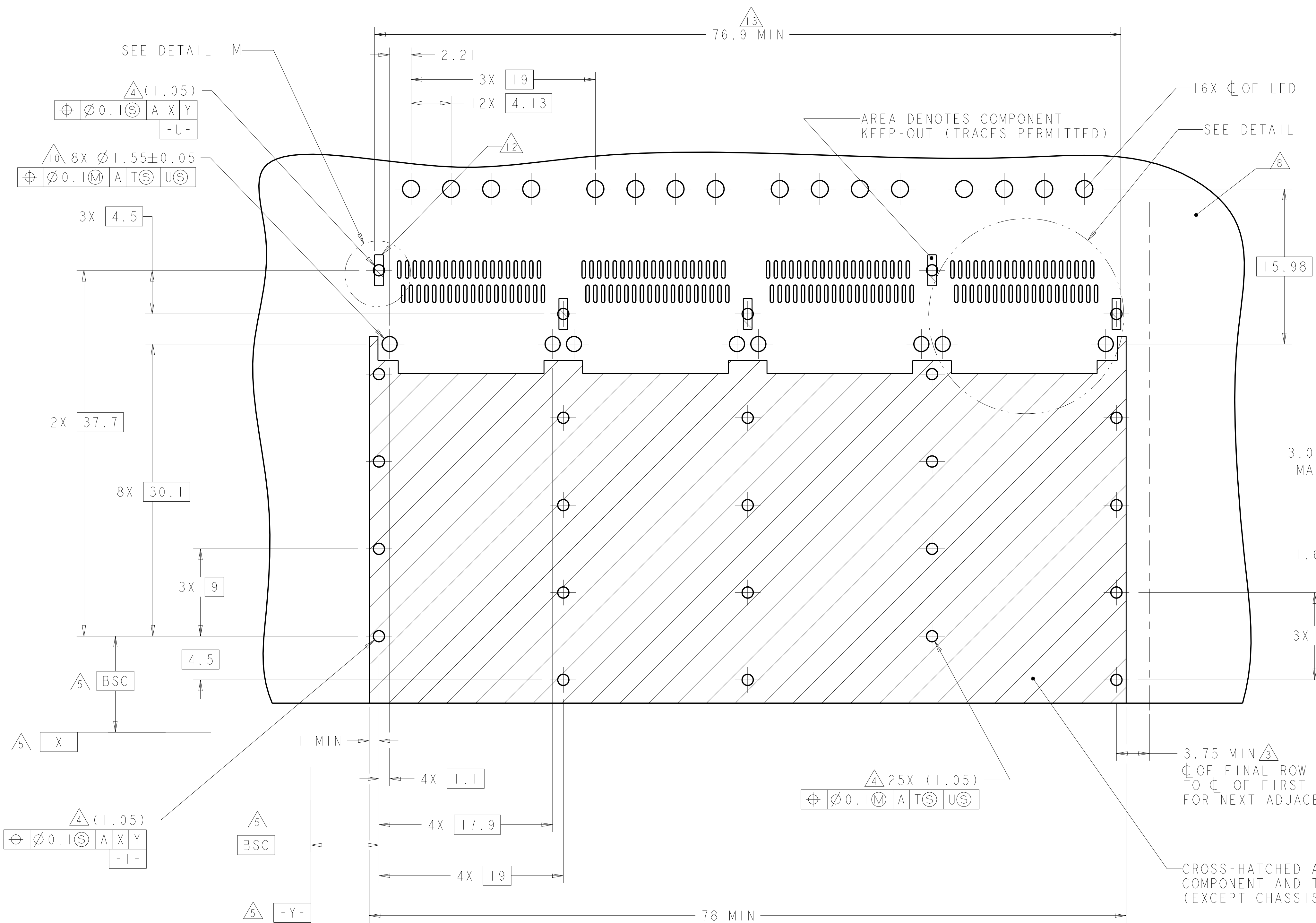


BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 5:2

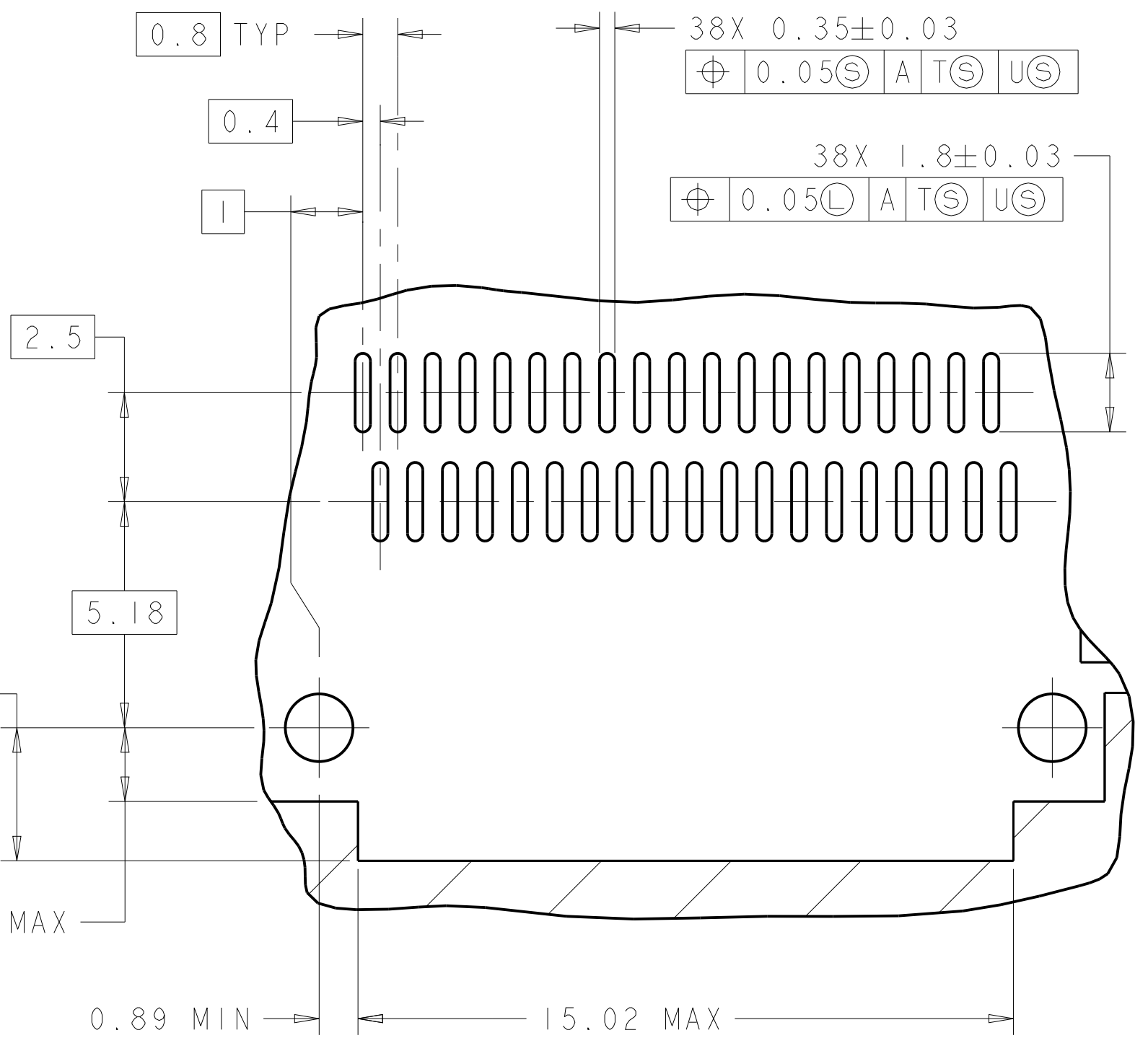
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN CHK DENNY ZHU APVD ALEX CAI	29FEB2012 29FEB2012 29FEB2012	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.35 1 PLC ±0.35 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± FINISH		PRODUCT SPEC 108-2286 APPLICATION SPEC	
MATERIAL		WEIGHT		SIZE CAGE CODE DRAWING NO	
-		-		A100779C=2170287	
Customer Drawing		Customer Drawing		RESTRICTED TO	
				SCALE 4:1 SHEET 4 OF 8 REV 10	



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
CHK: DENNY ZHU 29FEB2012
APVD: ALEY CAI 29FEB2012

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.35
1 PLC ±0.25
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±0.25
ANGLES ±0.25
FINISH

MATERIAL

-

Customer Drawing

SCALE 1:1

SHEET 6 OF 8

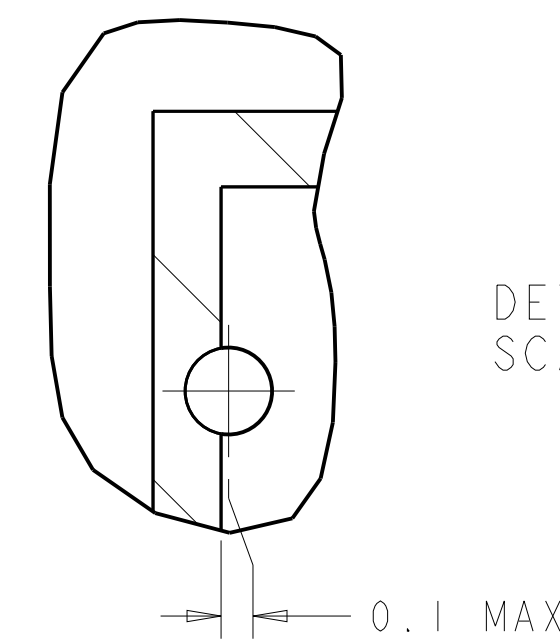
REV 10

TE Connectivity

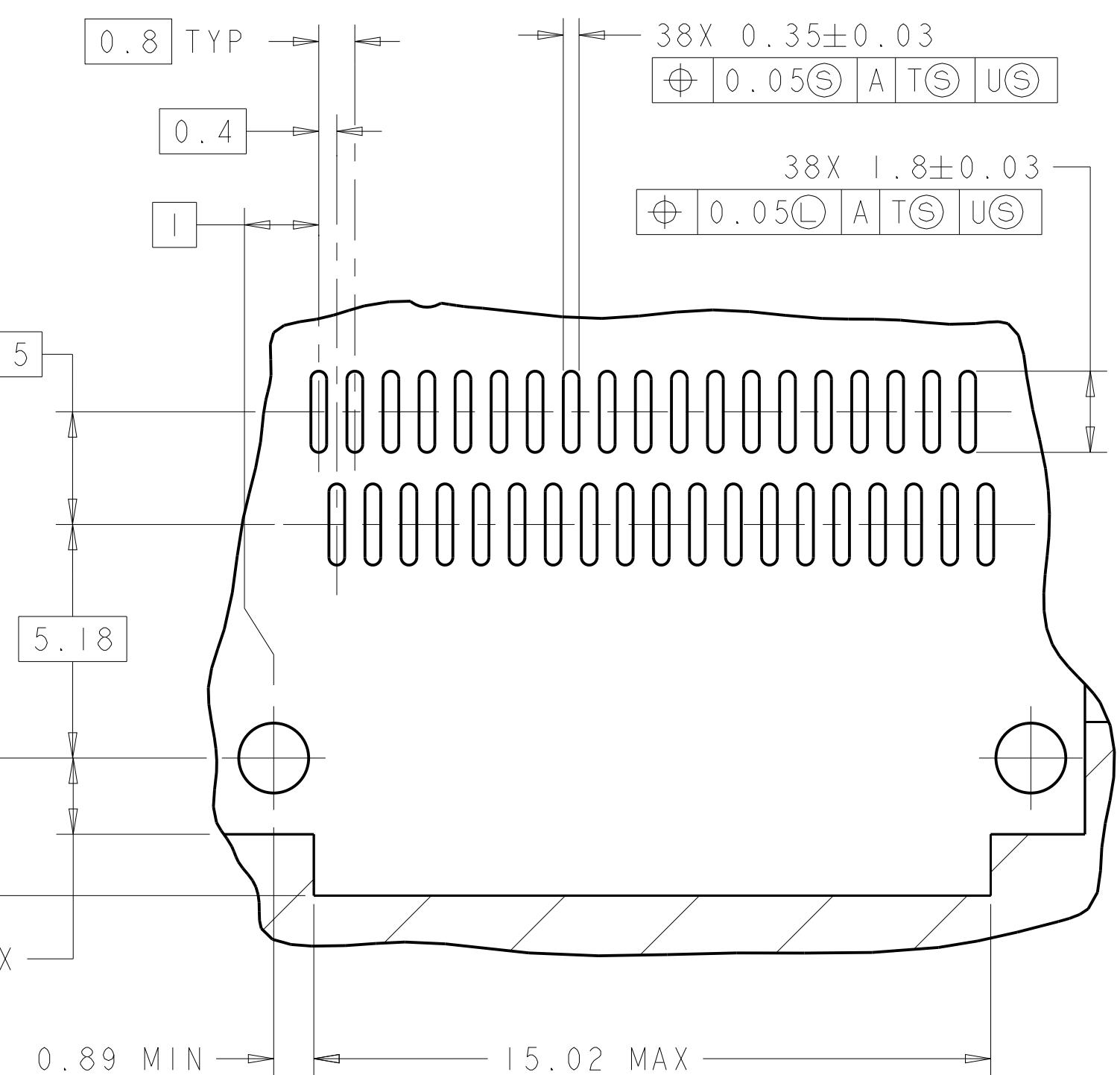
NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP

SIZE CAGE CODE DRAWING NO. A100779C=2170287

RESTRICTED TO

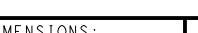


DETAIL M
SCALE 10:1

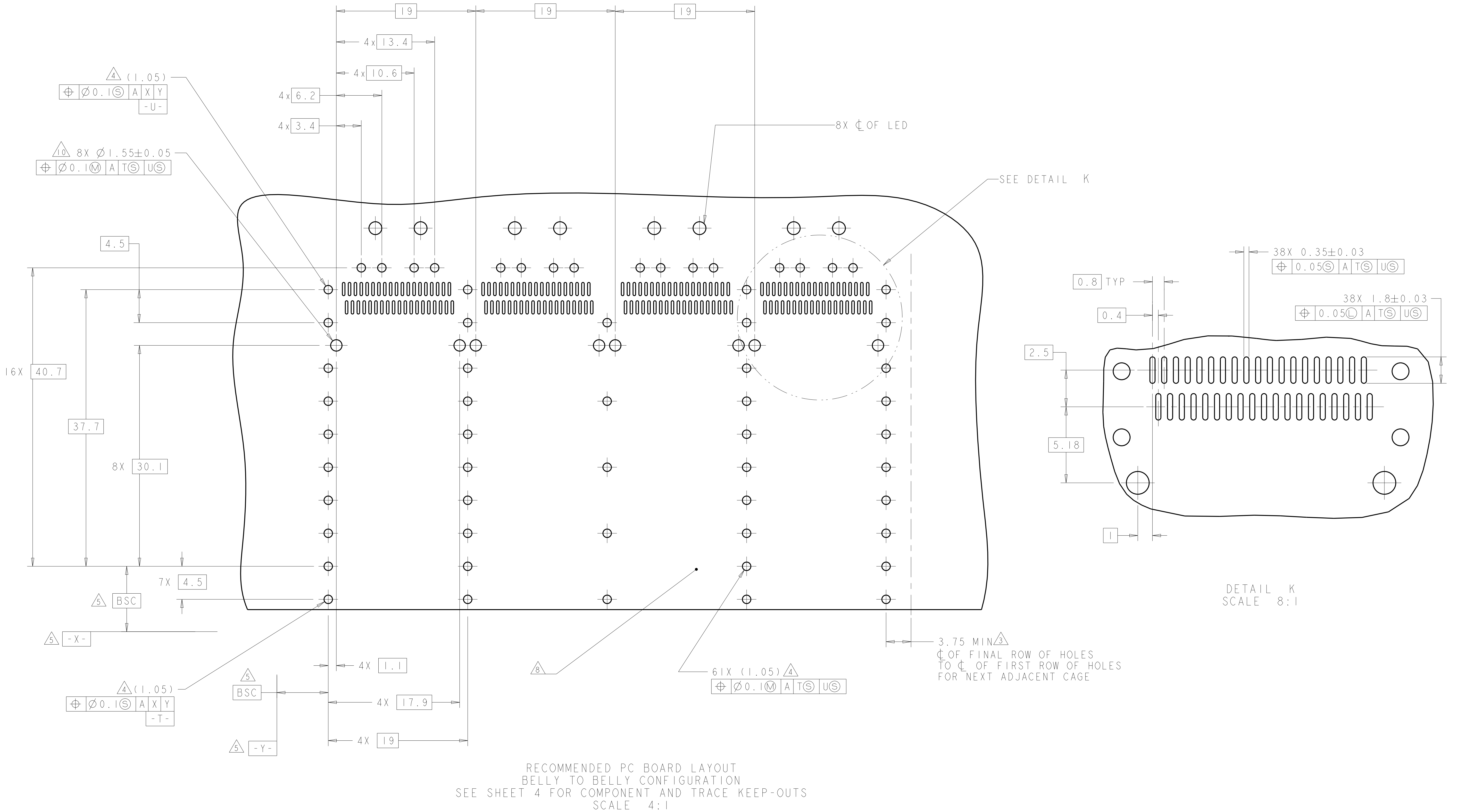


DETAIL J
3 PLACES
SCALE 8:1

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					TE Connectivity	
		CHK DENNY ZHU	29FEB2012						
			29FEB2012	NAME		1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS,			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	APPROV ALEX CAI			QSPF			
mm			PRODUCT SPEC						
			108-2286						
			APPLICATION SPEC						
			114-13217						
MATERIAL		FINISH	WEIGHT	SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO	
-	-	-	-	A1		00779	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		-	-	-	



THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

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moschip.ru_9