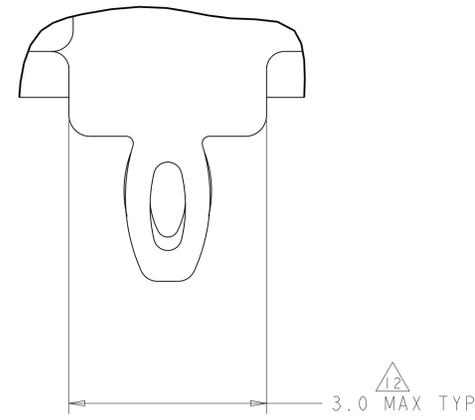


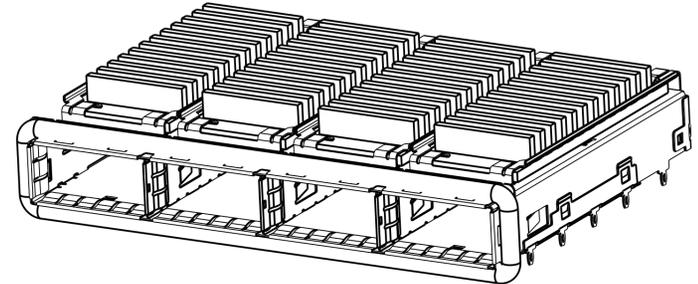
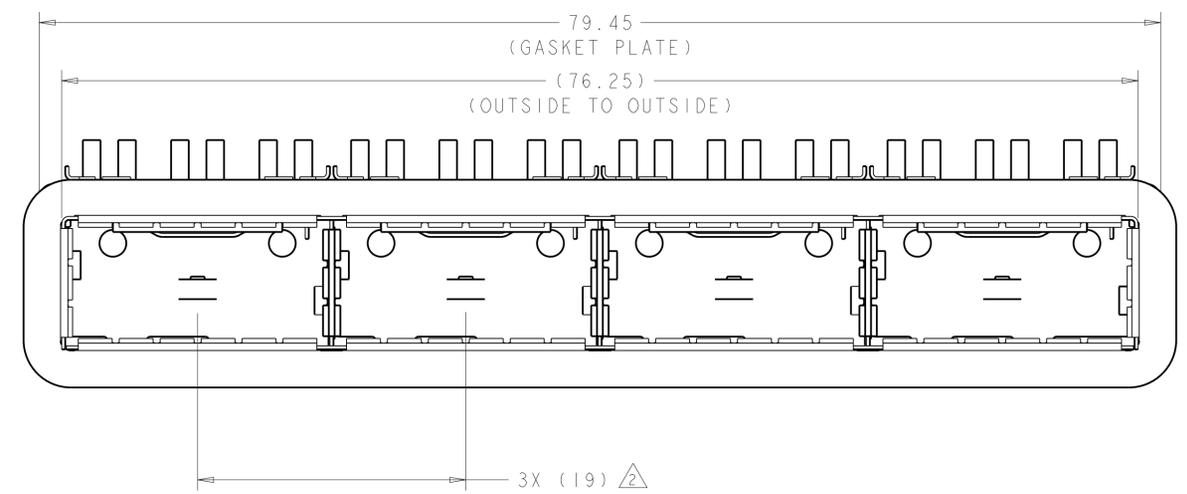
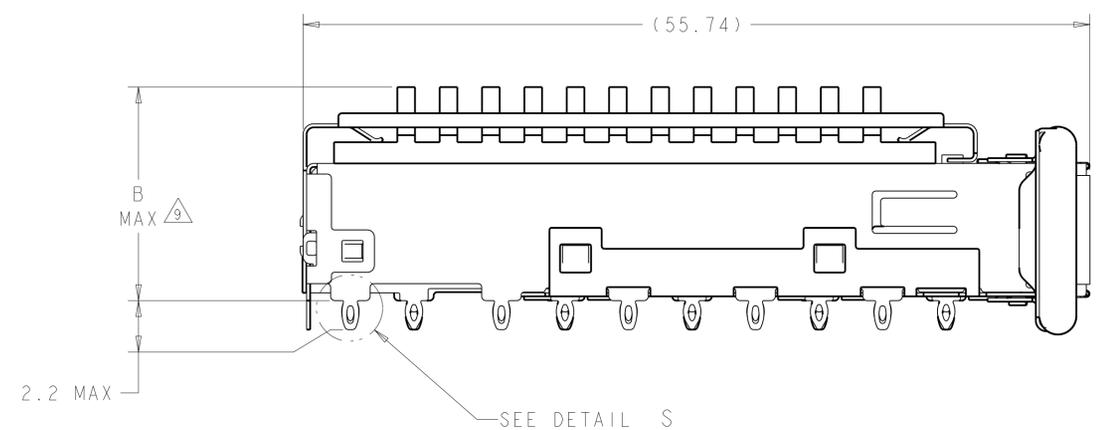
LOC	DIST	REV	DATE	BY	CHK	APPV
GP	00					
		7	27MAR2014	RG	MC	
		8	16APR2014	RG	MC	
		9	15JUL2014	RG	MC	
		10	9DEC2014	RG	MC	

- 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.

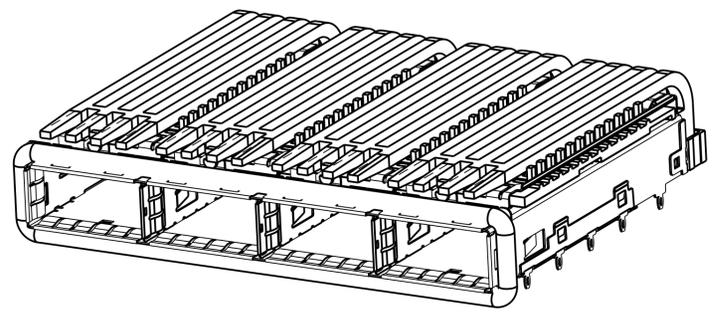
- 11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 12 SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- 13 BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- 14 DATE CODE (YYWW) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT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



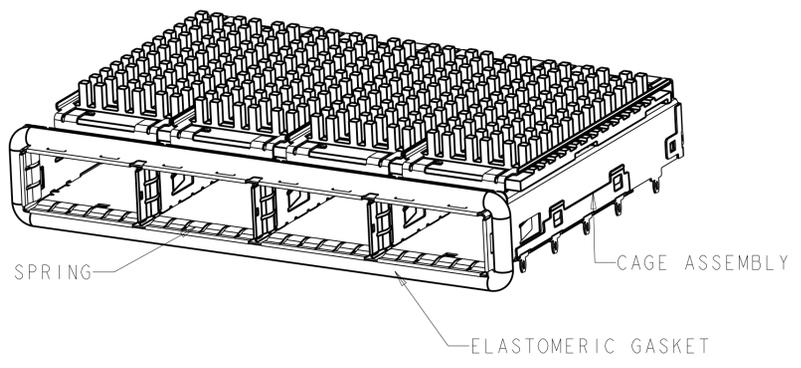
DETAIL S
 SCALE 20:1



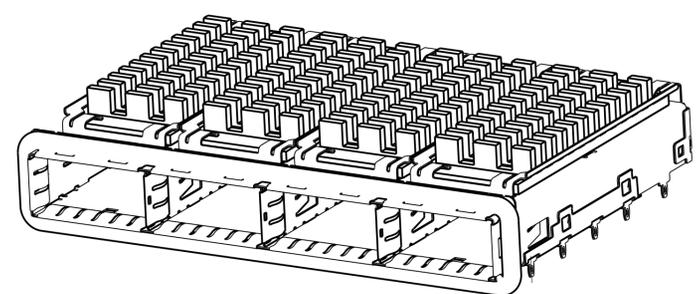
2170287-4, 2170287-5, 2170287-6
 SCALE 2:1



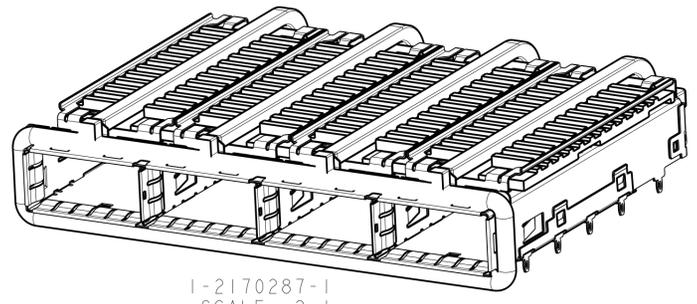
1-2170287-0
 SCALE 2:1



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



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



1-2170287-1
 SCALE 2:1

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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. DWG: KR/INSEN/SUN/29FEB2012
 CHG: DENNY ZHU/29FEB2012
 APPV: AILEY CAI/29FEB2012

DIMENSIONS: mm
 0 PLC ±
 1 PLC ±0.35
 2 PLC ±0.25
 3 PLC ±
 4 PLC ±
 ANGLES ±

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 FINISH: 16

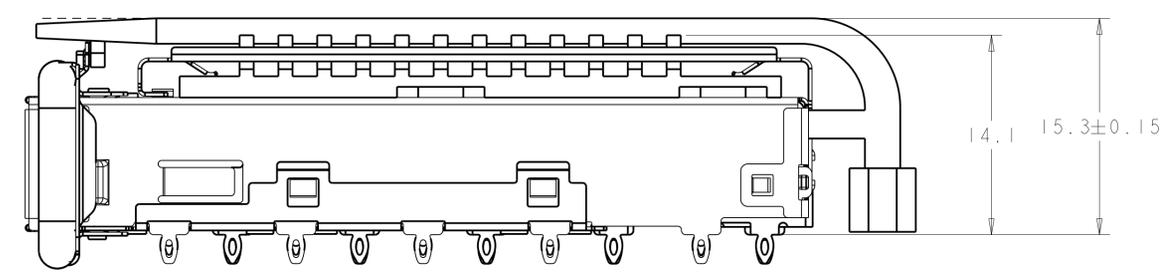
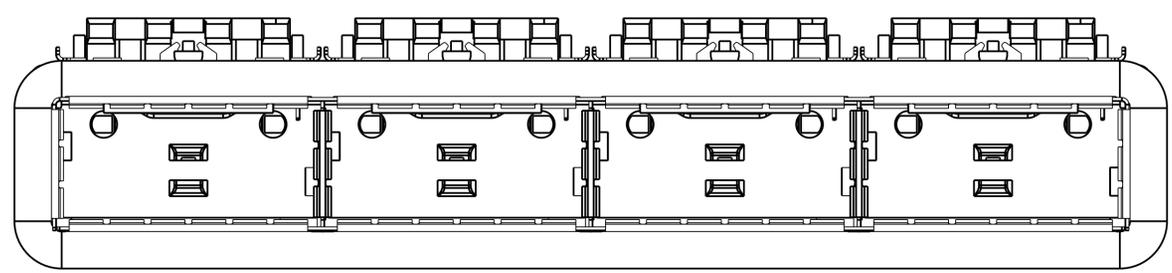
MATERIAL: 1

PRODUCT SPEC: 108-2286
 APPLICATION SPEC: 114-13217
 WEIGHT: A100779
 Customer Drawing

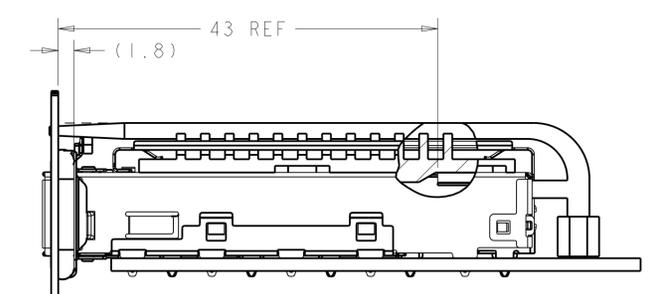
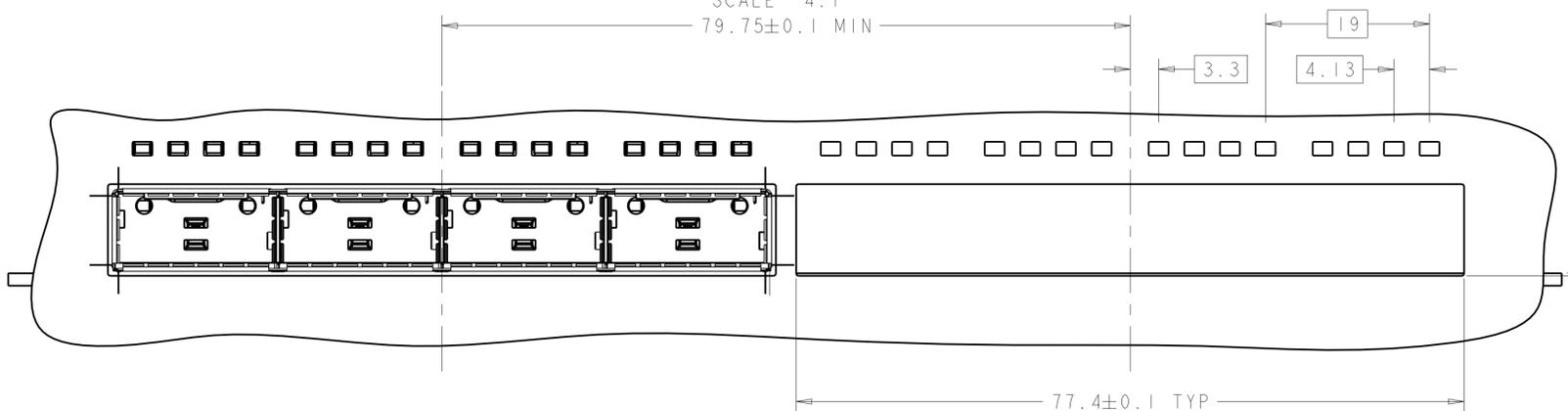
NAME: 1X4 CAGE ASSEMBLY THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP
 SIZE: A100779
 SCALE: 4:1
 SHEET: 1 OF 8
 REV: 10

PRELIMINARY

LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPV
-	-	SEE SHEET 1	-	-	-

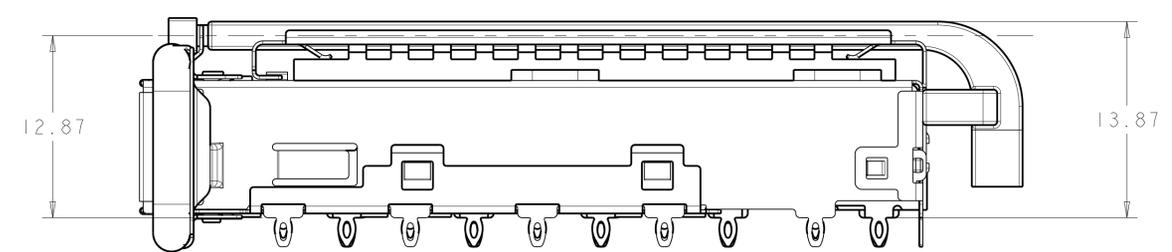
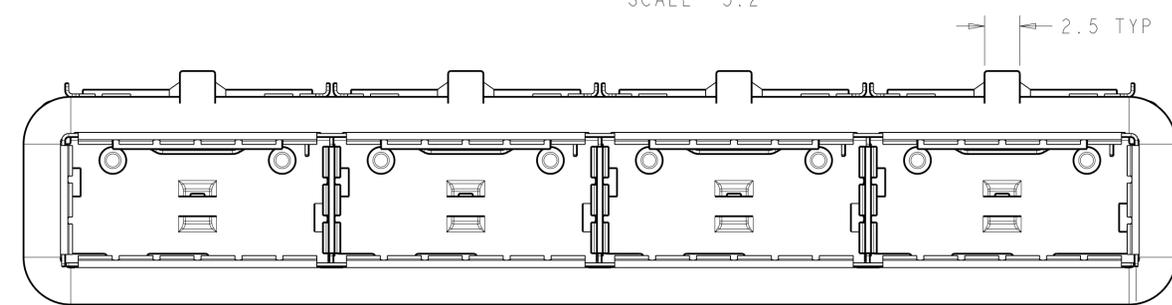


1-2170287-0 shown
SCALE 4:1

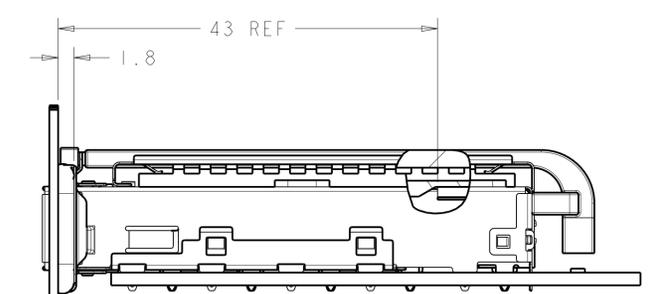
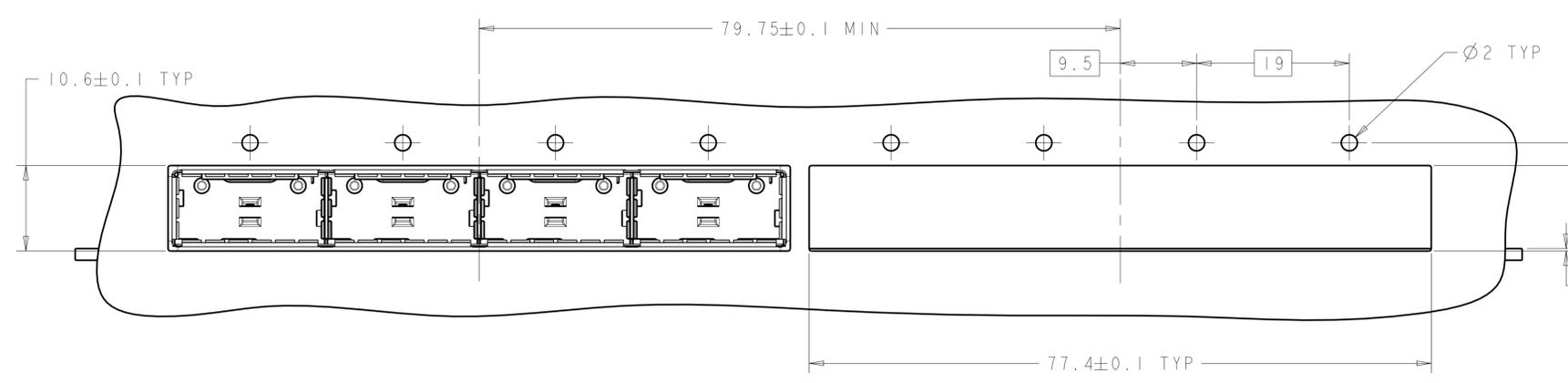


SECTION B-B

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



1-2170287-1 SHOWN
SCALE 4:1

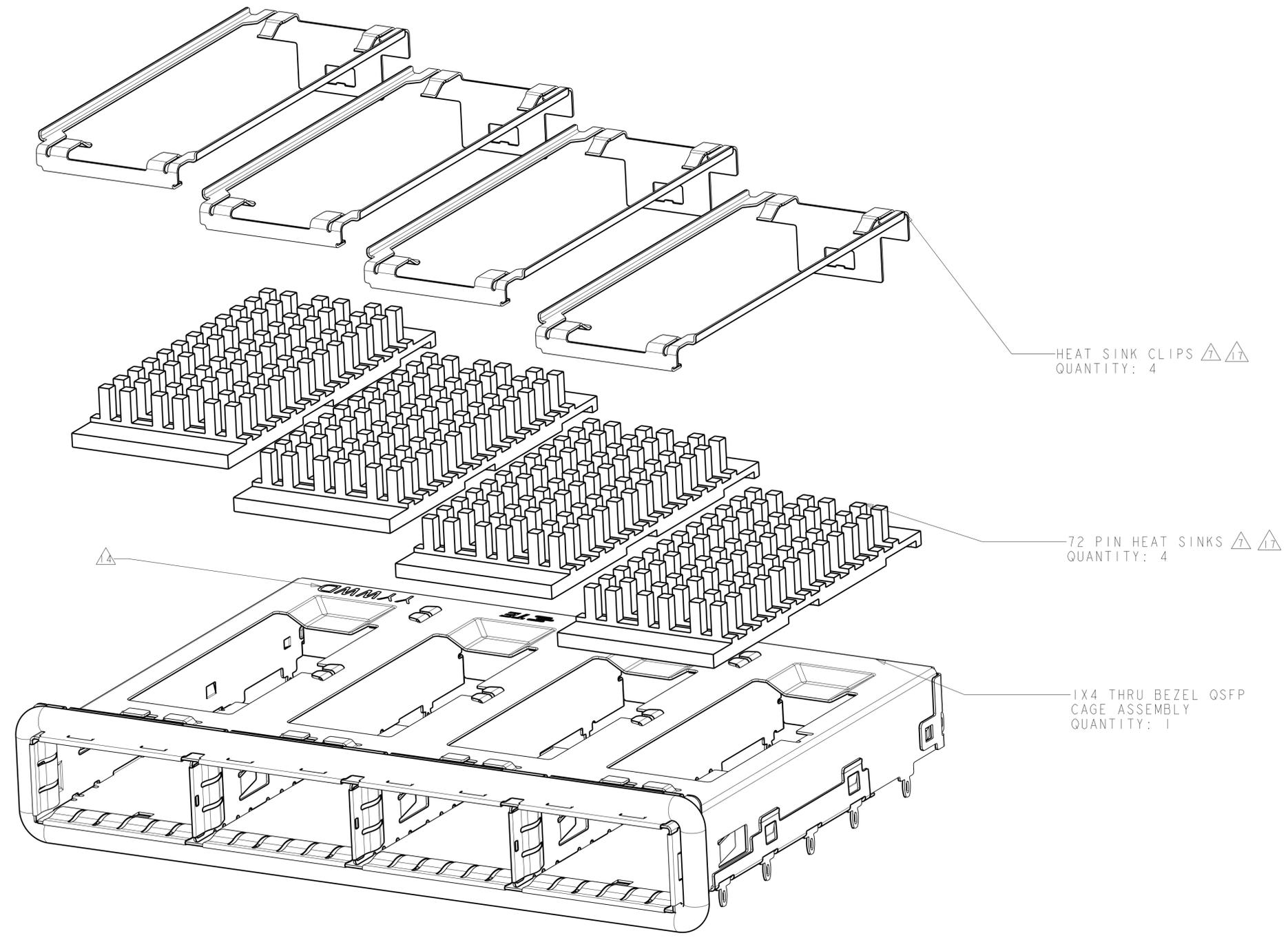


SECTION B-B

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: RINSEN SUN 29FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: ALEY CAI 29FEB2012	NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP
0 PLC ±0.35	1 PLC ±0.25	PRODUCT SPEC: 108-2286	SIZE: 114-13217
2 PLC ±	3 PLC ±	APPLICATION SPEC: 114-13217	WEIGHT: -
4 PLC ±	ANGLES ±	FINISH: -	RESTRICTED TO: -
MATERIAL: -	FINISH: -	Customer Drawing	SCALE: 4:1 SHEET 2 OF 8 REV 1.0

LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		-		SEE SHEET 1	-	-	-



HEAT SINK CLIPS \triangle \triangle
 QUANTITY: 4

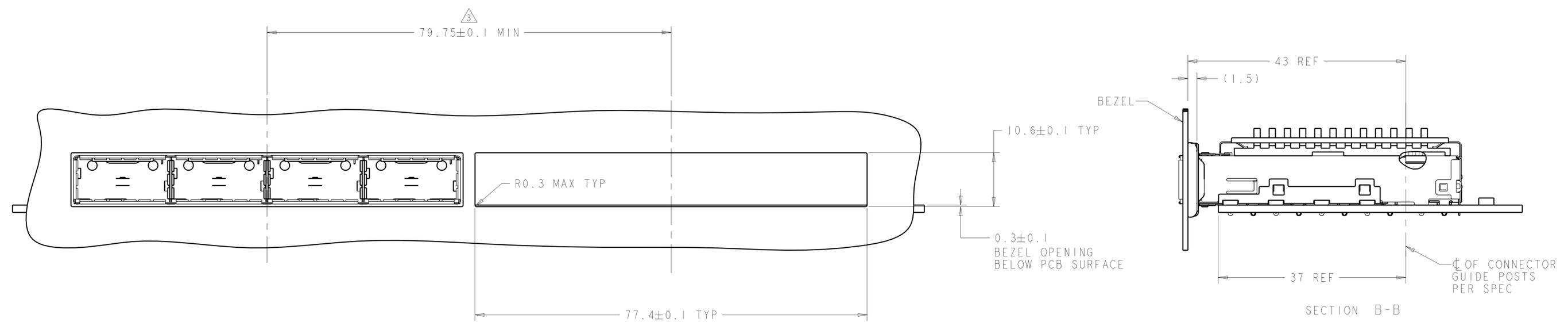
72 PIN HEAT SINKS \triangle \triangle
 QUANTITY: 4

1X4 THRU BEZEL QSFP
 CAGE ASSEMBLY
 QUANTITY: 1

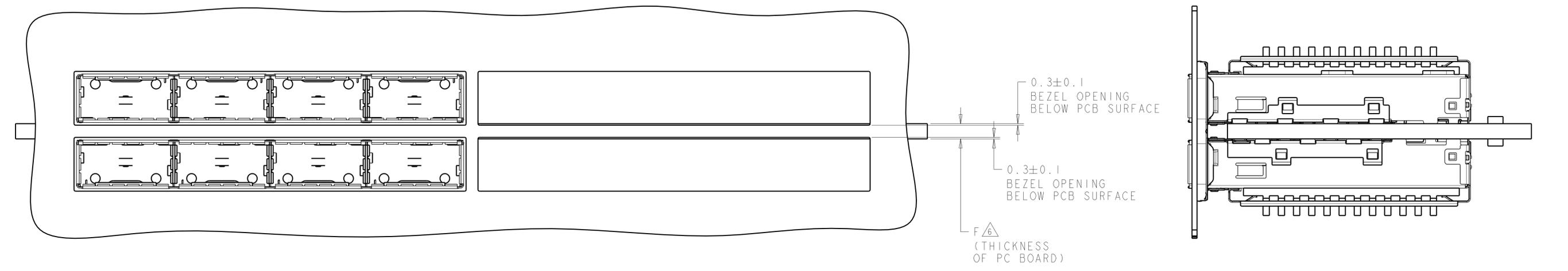
THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN KINSEN SUN 29FEB2012		
		CHK DENNY ZHU 29FEB2012		
DIMENSIONS:		APVD ALEX CAI 29FEB2012	NAME 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-2286	SIZE A100779C=2170287	
	0 PLC \pm	APPLICATION SPEC 114-13217	RESTRICTED TO	
	1 PLC ± 0.35	WEIGHT	SCALE 4:1 SHEET 3 OF 8 REV 1.0	
	2 PLC ± 0.25	Customer Drawing		
	3 PLC \pm			
	4 PLC \pm			
	ANGLES \pm			
	FINISH			

LOC	DIST	REV	DATE	BY	APPD
GP	00				

REVISIONS					
REV	DATE	BY	APPD	DESCRIPTION	DATE
-	-	-	-	SEE SHEET 1	-



ONE SIDED CONFIGURATION
 SCALE 5:2

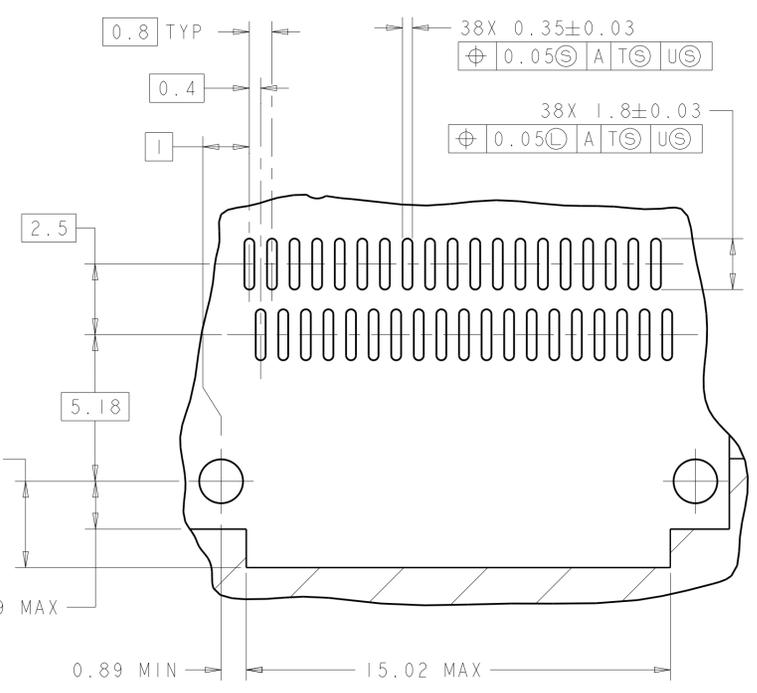
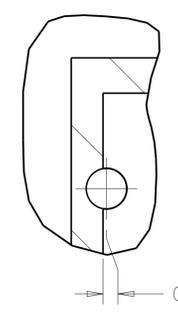
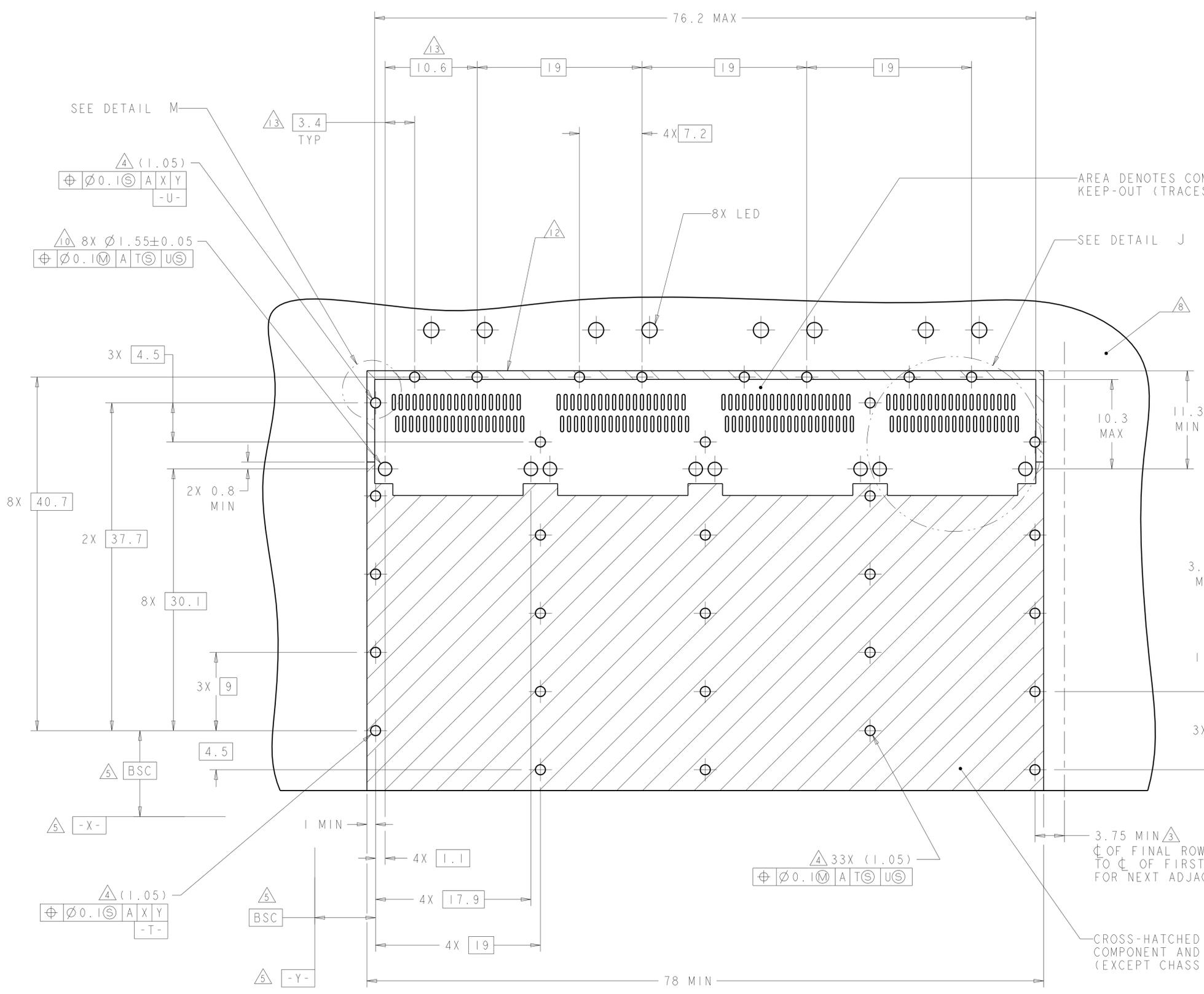


BELLY TO BELLY CONFIGURATION
 SIMILAR TO ONE SIDED
 EXCEPT WHERE NOTED
 SCALE 5:2

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: RINSEN SUN 29FEB2012	TE Connectivity	
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD: AILEY CAI 29FEB2012	NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP	
0 PLC ±	1 PLC ±0.35	PRODUCT SPEC	SIZE: CAGE CODE DRAWING NO. RESTRICTED TO	
2 PLC ±0.25	3 PLC ±	108-2286	A100779C=2170287	
4 PLC ±	ANGLES ±	APPLICATION SPEC	SCALE 4:1 SHEET 4 OF 8 REV 1.0	
MATERIAL	FINISH	114-13217		
		WEIGHT		
		Customer Drawing		

LOC	DIST	REV	DATE	APPD	APPR
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	APPD
1	SEE SHEET 1		



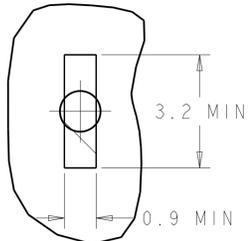
RECOMMENDED PC BOARD LAYOUT
 SINGLE SIDE MOUNT CONFIGURATION
 SCALE 4:1

3.75 MIN Δ
 C OF FINAL ROW OF HOLES
 TO C OF FIRST ROW OF HOLES
 FOR NEXT ADJACENT CAGE

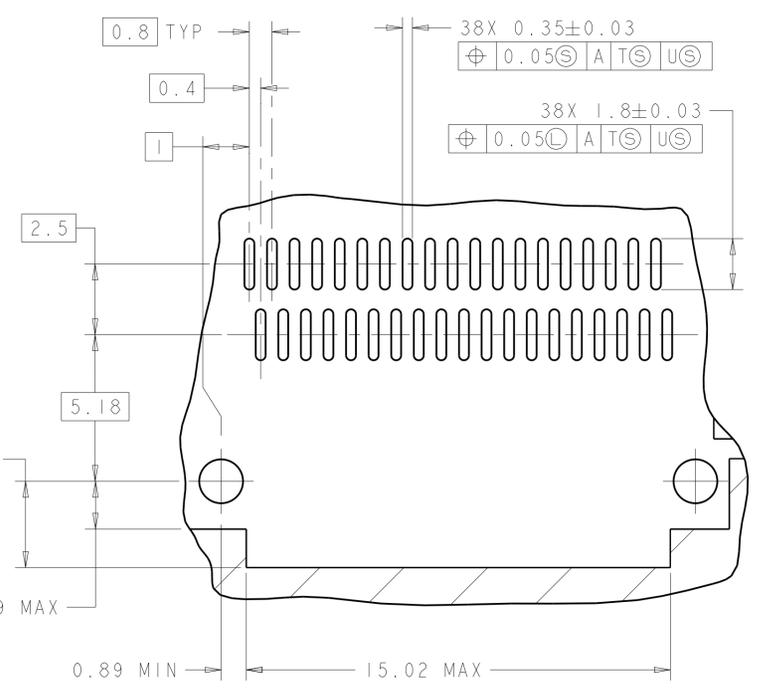
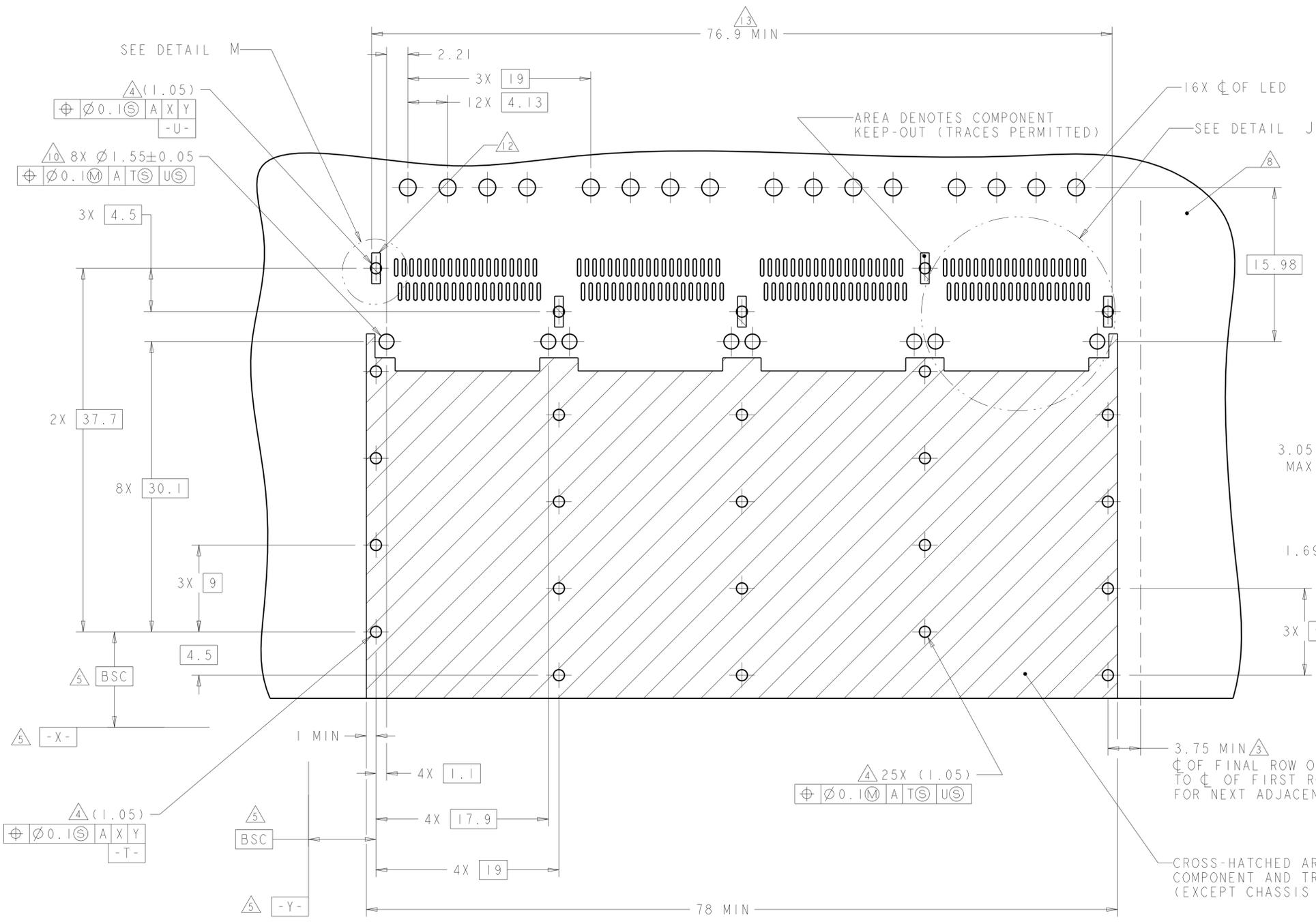
CROSS-HATCHED AREA DENOTES
 COMPONENT AND TRACE KEEP-OUT
 (EXCEPT CHASSIS GROUND)

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: KINSEN SUN 29FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPR: ALEY CAI 29FEB2012	NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP
0 PLC	±	PRODUCT SPEC	108-2286
1 PLC	±0.35	APPLICATION SPEC	114-13217
2 PLC	±0.25	WEIGHT	
3 PLC	±	Customer Drawing	SCALE 4:1 SHEET 5 OF 8 REV 10
4 PLC	±		
ANGLES	±		
MATERIAL	FINISH		

LOC	DIST	REV	DATE	BY	APPV
GP	00				



DETAIL M
SCALE 10:1



DETAIL J
3 PLACES
SCALE 8:1

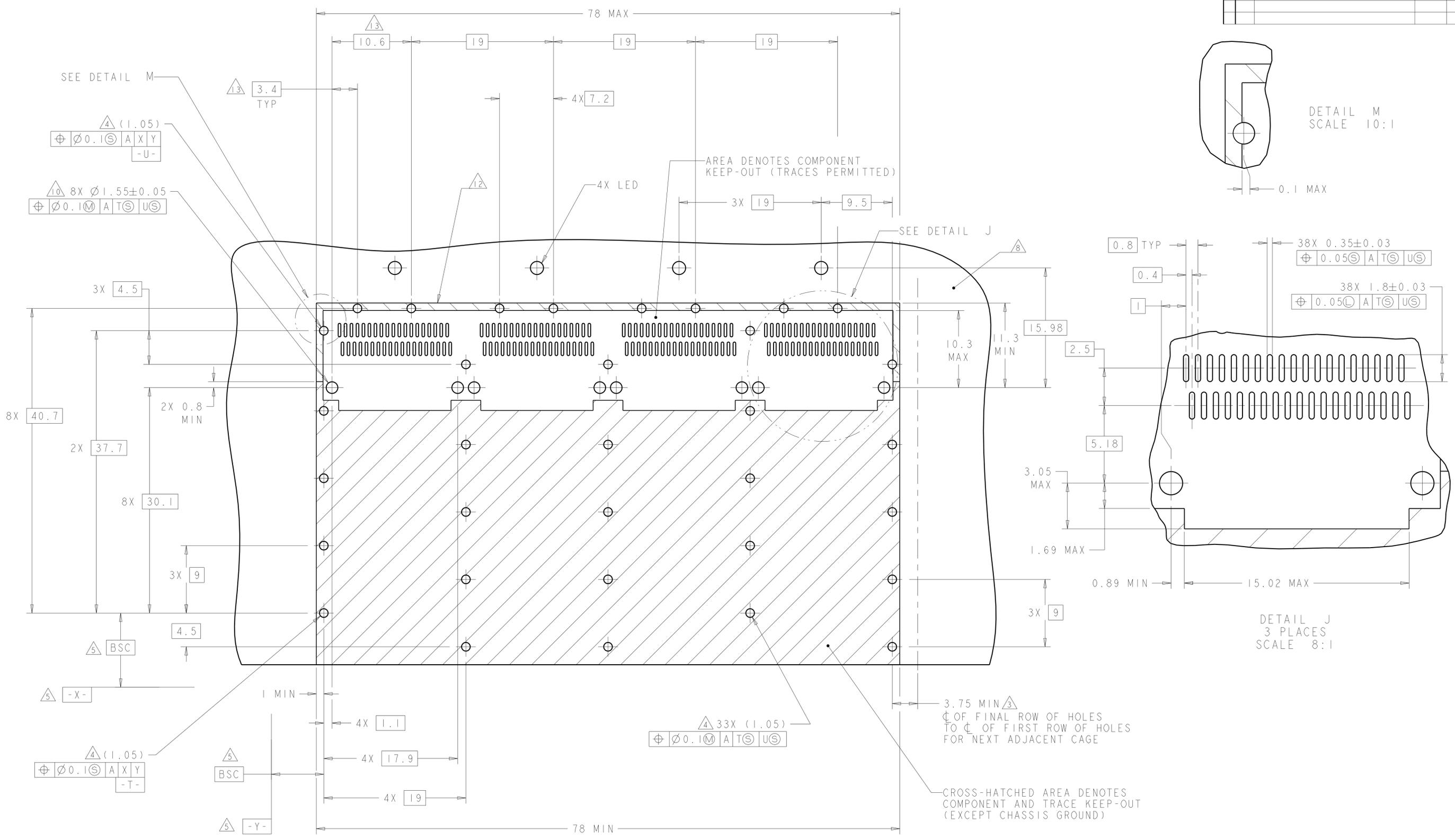
RECOMMENDED PC BOARD LAYOUT FOR 1-2170287-0
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: KINSEN SUN 29FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV: AILEY CAI 29FEB2012	NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP
0 PLC ±0.35	1 PLC ±0.25	PRODUCT SPEC: 108-2286	SIZE: 114-13217
2 PLC ±0.25	3 PLC ±0.25	APPLICATION SPEC: 114-13217	WEIGHT: -
4 PLC ±0.25	5 PLC ±0.25	FINISH: -	RESTRICTED TO: -
MATERIAL: -		Customer Drawing	SCALE: 1:1 SHEET 6 OF 8 REV 10

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: KINSEN SUN 29FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 29FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 29FEB2012	NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL, W/ELASTOMERIC GASKET AND HEAT SINKS, QSFP
0 PLC	±	PRODUCT SPEC	108-2286
1 PLC	±0.35	APPLICATION SPEC	114-13217
2 PLC	±0.25	WEIGHT	
3 PLC	±	Customer Drawing	
4 PLC	±		
ANGLES	±		
MATERIAL			
FINISH			

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:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

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

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9