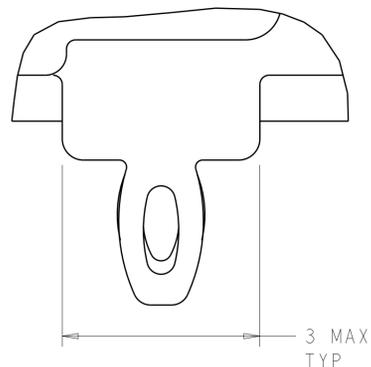


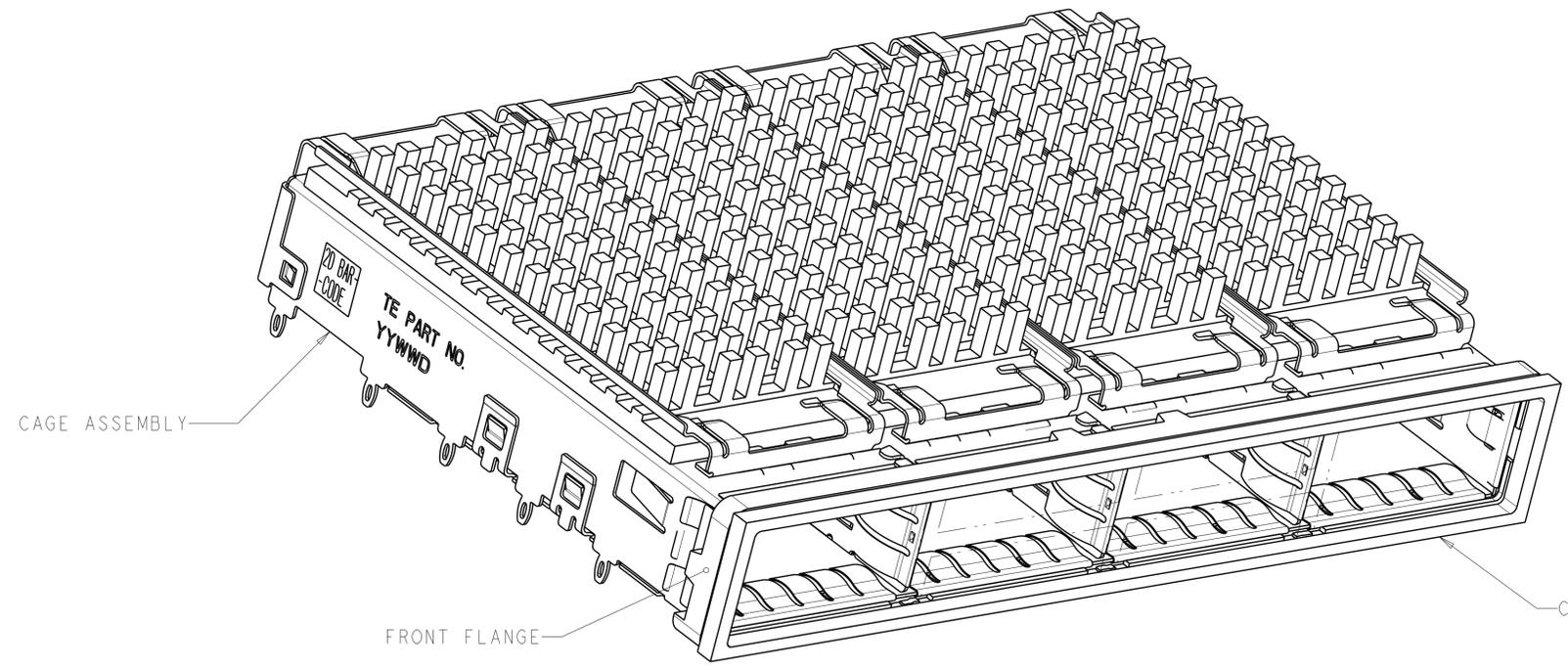
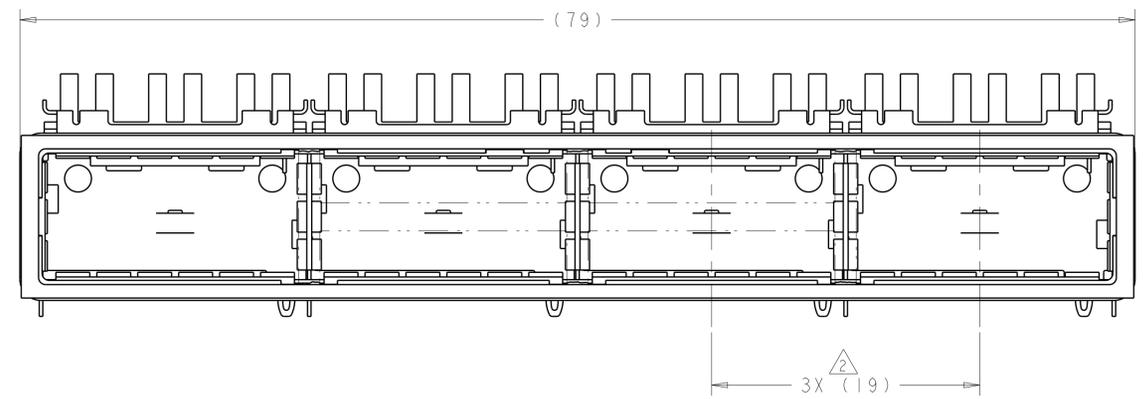
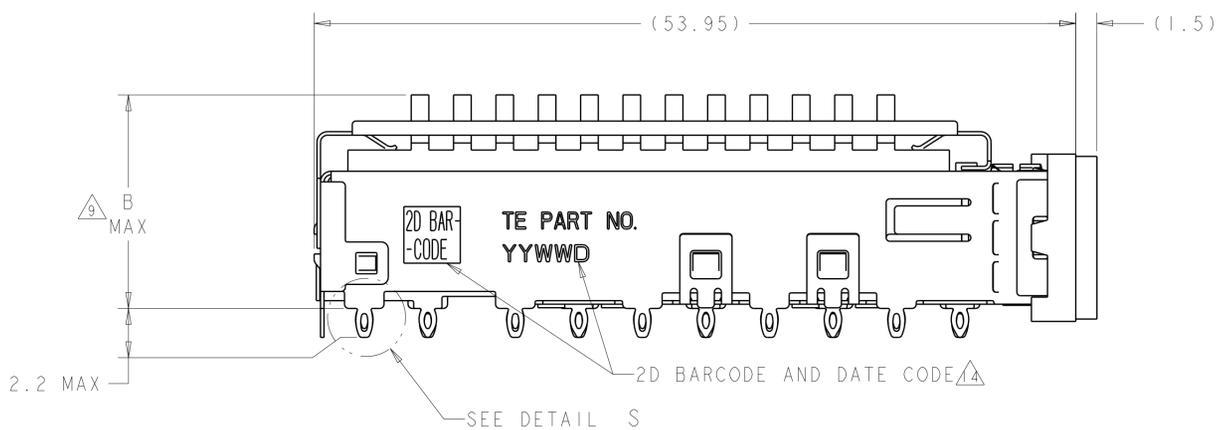
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		A		REVISED PER ECR-12-006970	17APR2012	KS	AC
		B		REVISED PER ECO-15-005721	4AUG2015	RG	SH



DETAIL S $\Delta 12$
 SCALE 20:1

- $\Delta 1$ CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
 HEAT SINK MATERIAL: ALUMINUM
 HEAT SINK CLIP MATERIAL: STAINLESS STEEL
 EMI SPRING MATERIAL: COPPER ALLOY
 FRONT FLANGE MATERIAL: ZINC ALLOY
 CONDUCTIVE GASKET MATERIAL: RUBBER FOAM
 - $\Delta 2$ PITCH BETWEEN PORTS OF ONE 1X4 CAGE ASSEMBLY.
 - $\Delta 3$ SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
 - $\Delta 4$ REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
 - $\Delta 5$ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
 - $\Delta 6$ DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD, SINGLE SIDED PC BOARD MINIMUM THICKNESS = 1.45mm, DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 2.2mm PER QSFP.
 - $\Delta 7$ HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
 - $\Delta 8$ DATUM -A- IS TOP SURFACE OF PC BOARD.
 - $\Delta 9$ DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
 - $\Delta 10$ UNPLATED THRU HOLE.
11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.

- $\Delta 12$ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- $\Delta 13$ BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- $\Delta 14$ 2D BARCODE AND DATE CODE (YYWW) MARKED ON SIDE OF CAGE.
- $\Delta 15$ REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- $\Delta 16$ EMI SPRING FINISH: 2 μ m MINIMUM TIN
 FRONT FLANGE FINISH: 3 μ m MINIMUM TIN OVER 1.27 μ m MINIMUM NICKEL OVER 5.08 μ m MINIMUM COPPER.
 HEAT SINK FINISH: NICKEL.

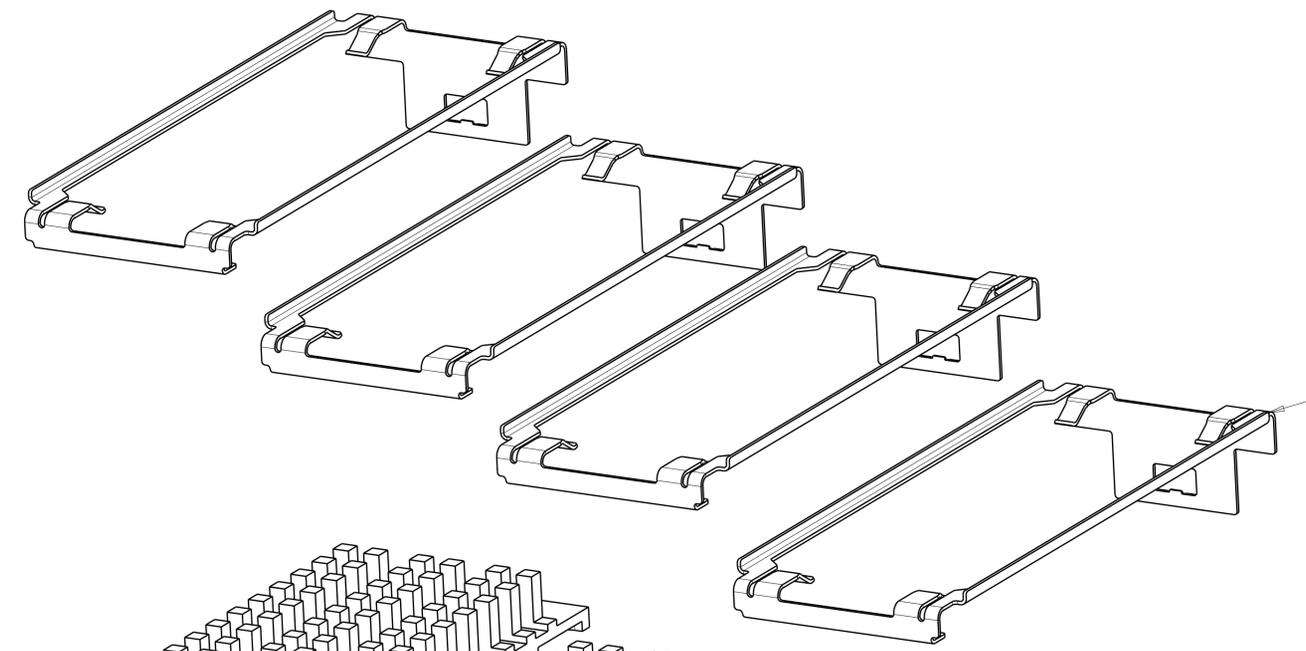


23.0	NETWORKING	2174754-3
16.0	SAN	2174754-2
13.7	PCI	2174754-1
B	HEAT SINK PROFILE	PART NUMBER

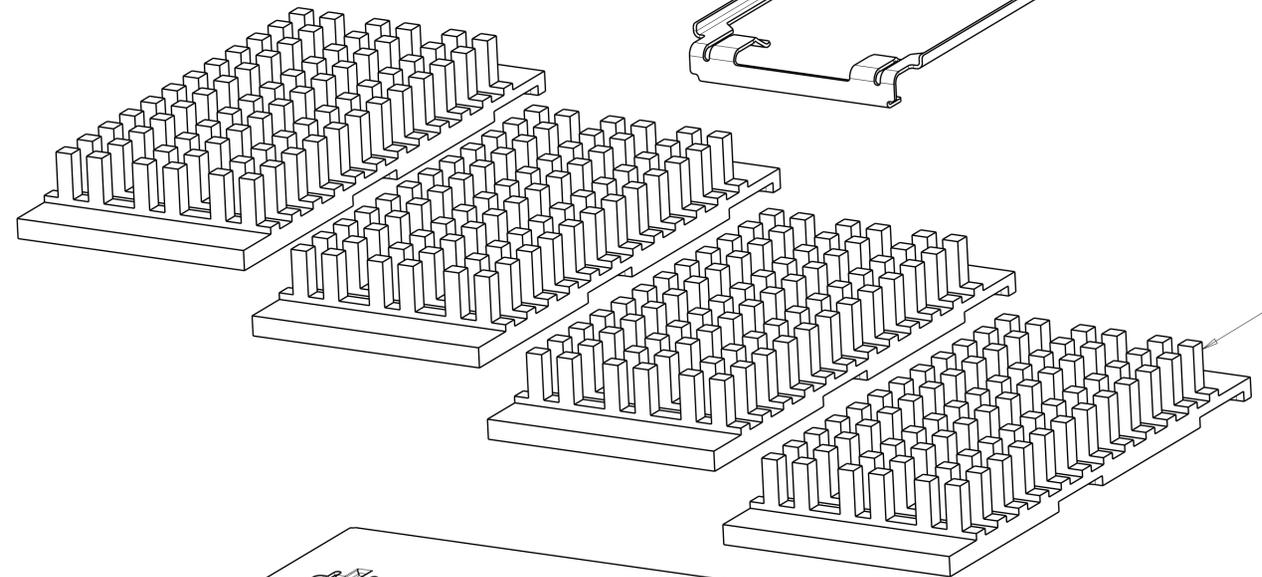
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: KINSEN SUN 22FEB2012	CHK: DENNY ZHU 22FEB2012	APVD: AILEY CAI 22FEB2012
mm	0 PLC ± 0.1 1 PLC ± 0.1 2 PLC ± 0.1 3 PLC ± 0.013 4 PLC ± 0.0001 ANGLES ± 0.0001	PRODUCT SPEC: 108-2286	APPLICATION SPEC: 114-13218	WEIGHT: -
MATERIAL: $\Delta 1$	FINISH: $\Delta 16$	NAME: 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP		
CUSTOMER DRAWING		SIZE: A1	CAGE CODE: 00779	DRAWING NO: C=2174754
		SCALE: 4:1	SHEET: 1	REV: B

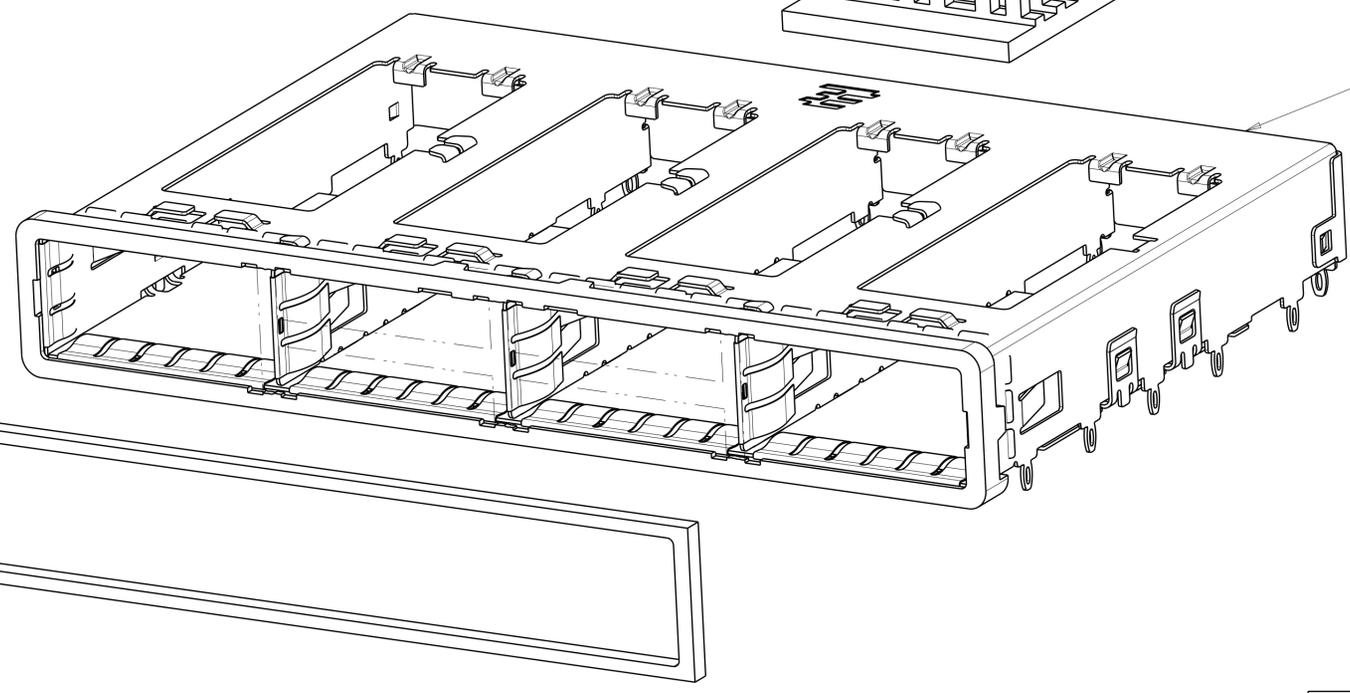
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P	LTN	DESCRIPTION	DATE	OWN	APVD
GP	00	SEE SHEET 1			



HEAT SINK CLIPS
 QUANTITY: 4

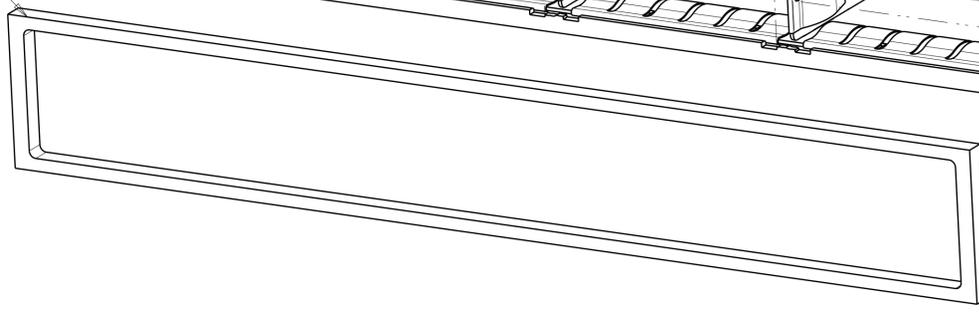


72 PIN HEAT SINKS
 QUANTITY: 4



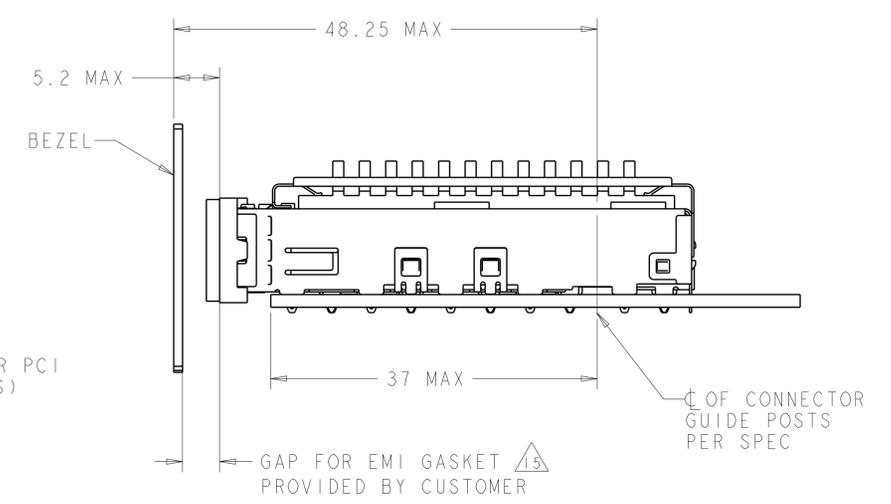
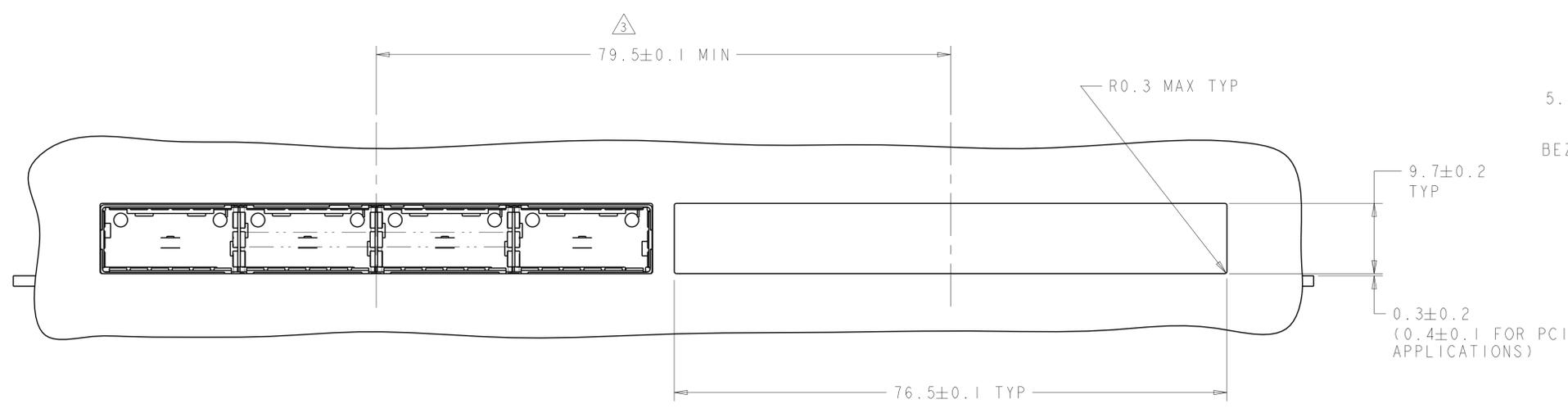
1X4 BEHIND BEZEL QSFP
 CAGE ASSEMBLY
 QUANTITY: 1

CONDUCTIVE GASKET
 QUANTITY: 1

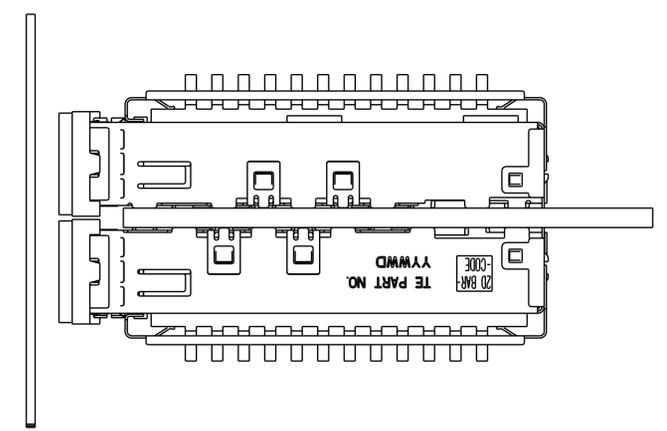
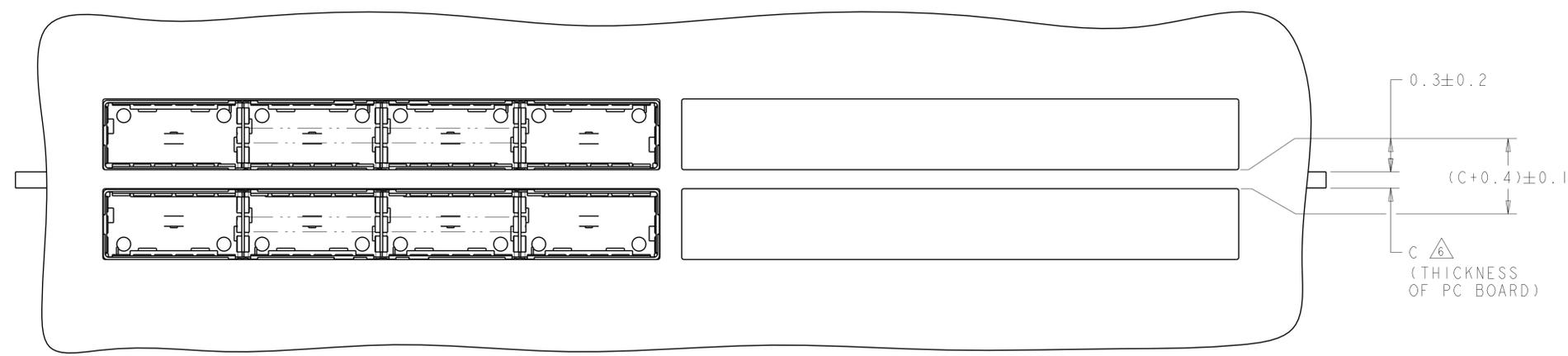


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: RINSEN SUN 22FEB2012	
DIMENSIONS: mm		CHK: DENNY ZHU 22FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 22FEB2012	
0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1		NAME: 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP PRODUCT SPEC: 108-2286 APPLICATION SPEC: 114-13218 WEIGHT: - CUSTOMER DRAWING	
MATERIAL: -		SIZE: A100779	RESTRICTED TO: -
FINISH: -		CAGE CODE: C=2174754	SCALE: 4:1
		REVISION: 2	SHEET: 2 OF 5
		REV: B	

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



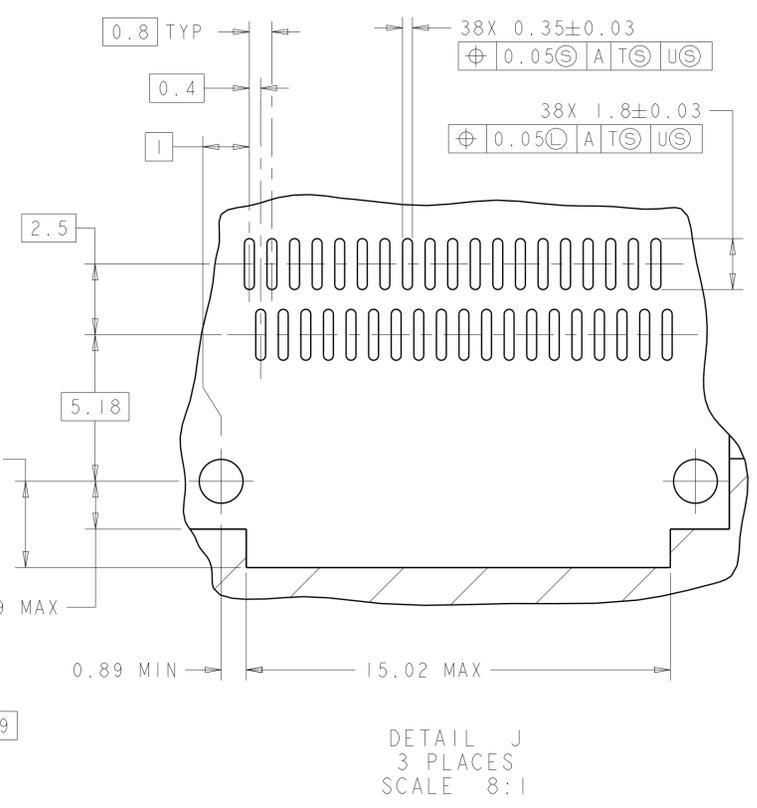
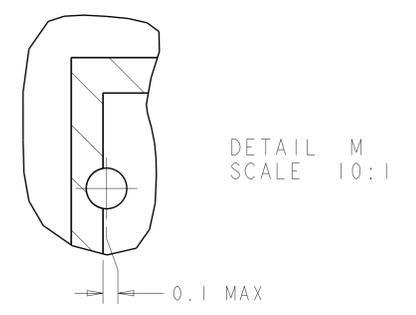
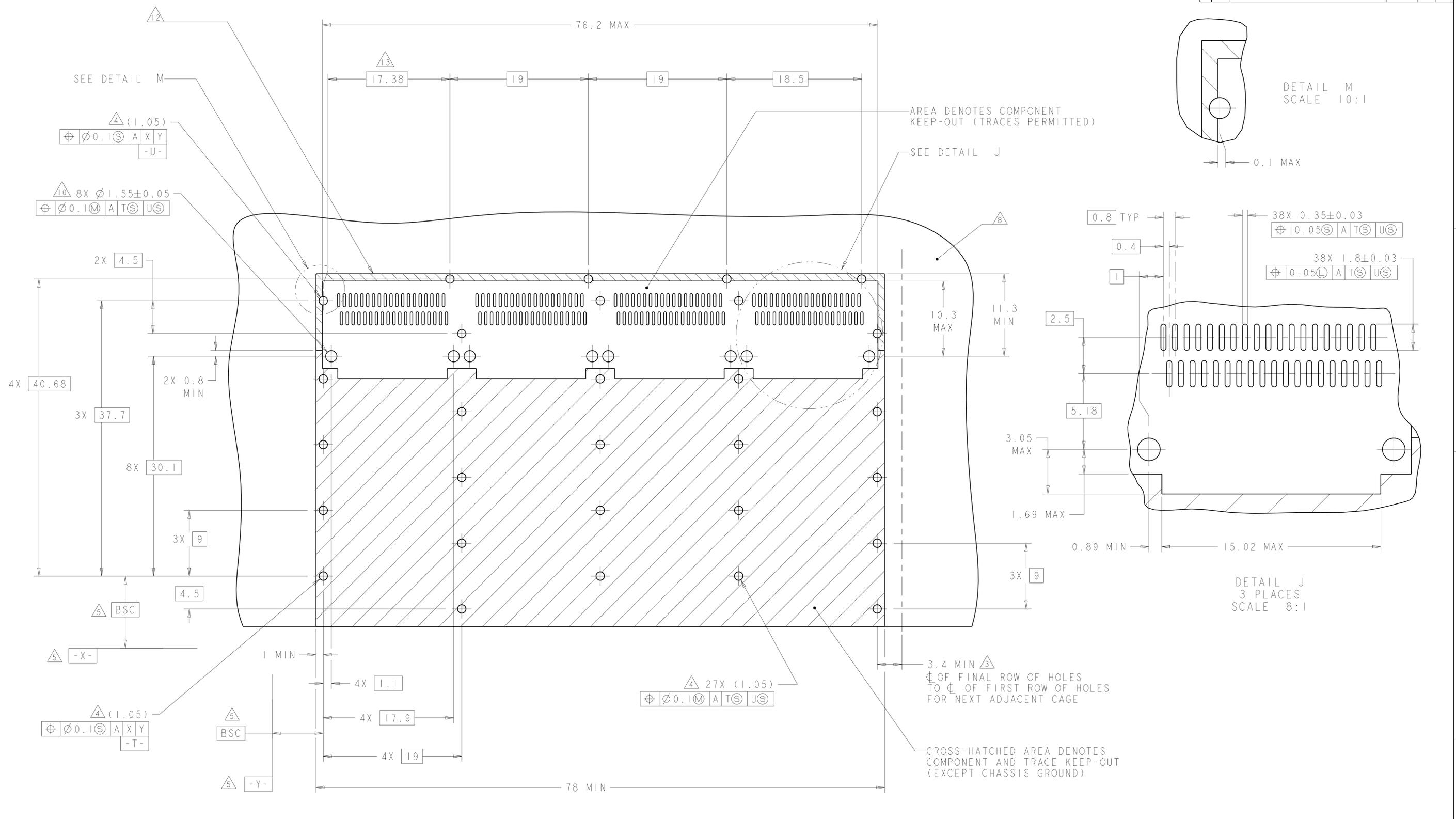
ONE SIDED CONFIGURATION
 SCALE 5:2



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: KINSEN SUN 22FEB2012	
DIMENSIONS:		CHK: DENNY ZHU 22FEB2012	
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD: AILEY CAI 22FEB2012	NAME: 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
	0 PLC ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±	PRODUCT SPEC: 108-2286	SIZE: A1
MATERIAL:	FINISH:	APPLICATION SPEC: 114-13218	CAGE CODE: C=2174754
		WEIGHT:	RESTRICTED TO:
		CUSTOMER DRAWING	SCALE: 4:1 SHEET 3 OF 5 REV B

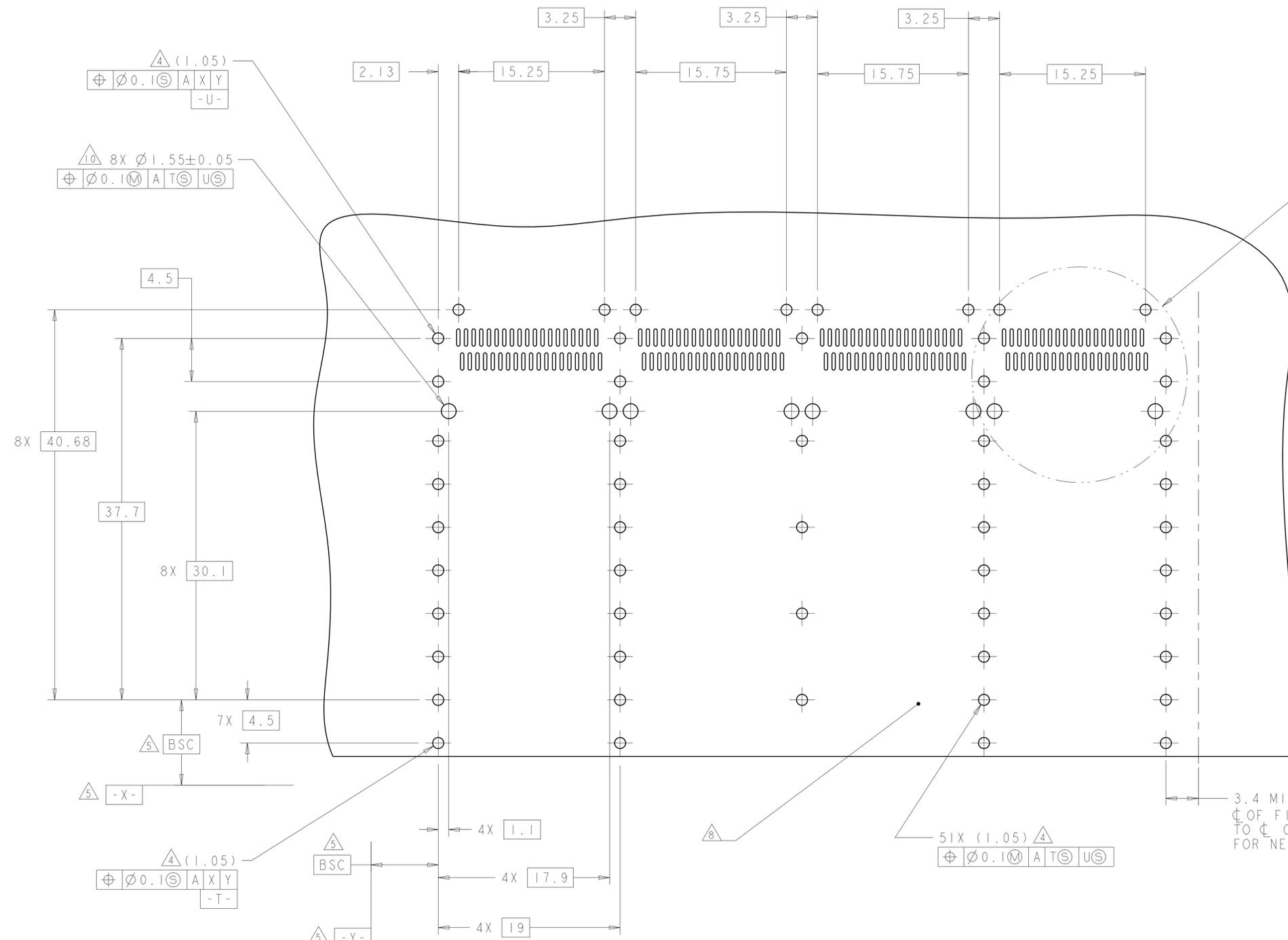
LOC	DIST	REV	DESCRIPTION	DATE	OWN	APVD
GP	00		SEE SHEET 1			



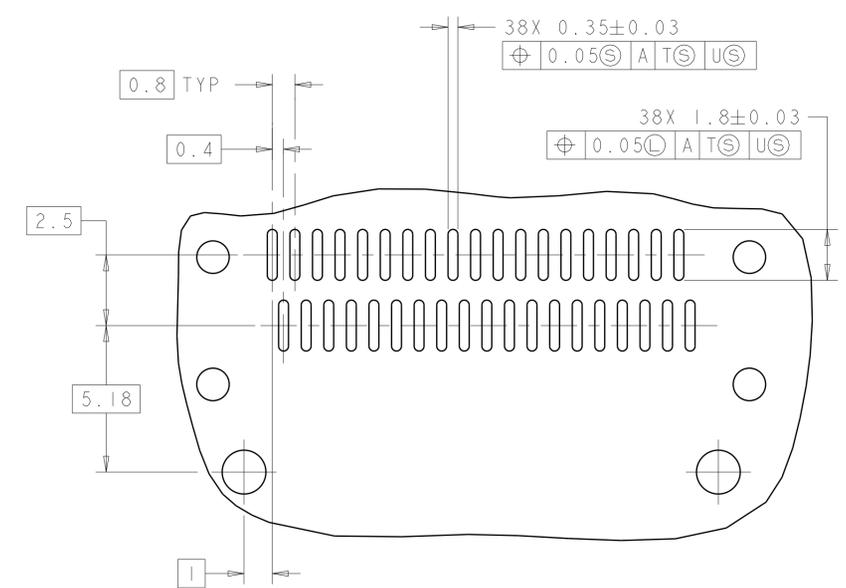
RECOMMENDED PC BOARD LAYOUT
 SINGLE SIDE MOUNT CONFIGURATION
 SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: KINSEN SUN 22FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 22FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: ALEY CAI 22FEB2012	NAME: 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
0 PLC ±	1 PLC ±0.1	PRODUCT SPEC 108-2286	SIZE: CAGE CODE DRAWING NO. RESTRICTED TO
2 PLC ±0.1	3 PLC ±0.013	APPLICATION SPEC 114-13218	A100779C=2174754
4 PLC ±0.0001	ANGLES ±	WEIGHT	SCALE 4:1 SHEET 4 OF 5 REV B
MATERIAL	FINISH	CUSTOMER DRAWING	

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



SEE DETAIL K



DETAIL K
 SCALE 8:1

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: KINSEN_SUN 22FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY_ZHU 22FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY_CAI 22FEB2012	NAME: 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
0 PLC ±	1 PLC ±0.1	PRODUCT SPEC: 108-2286	SIZE: 114-13218
2 PLC ±0.1	3 PLC ±0.013	APPLICATION SPEC: 114-13218	RESTRICTED TO: -
4 PLC ±0.0001	ANGLES ±	WEIGHT: -	A100779C=2174754
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	SCALE: 4:1 SHEET 5 OF 5 REV B

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

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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

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