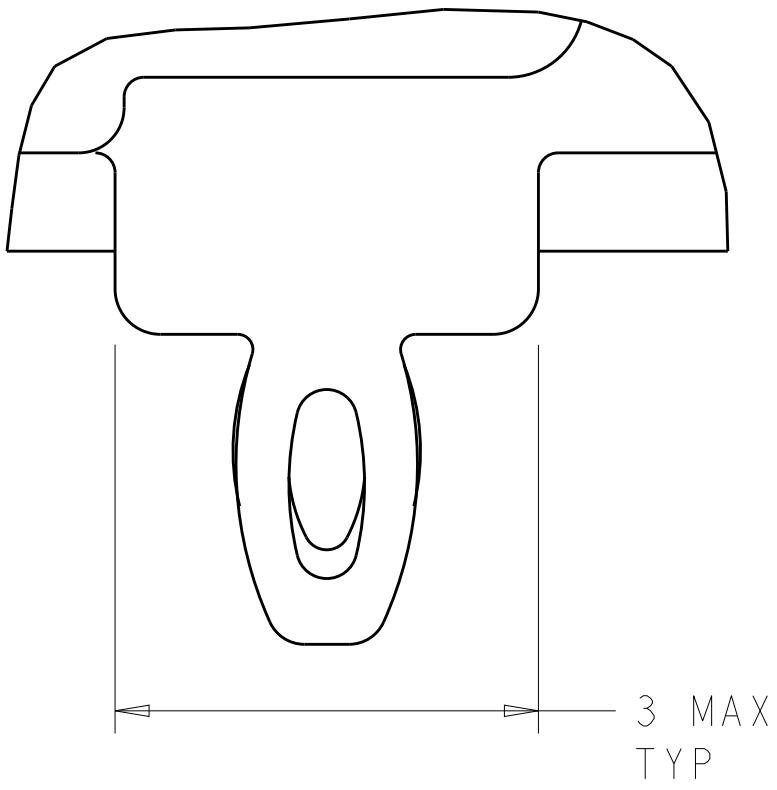


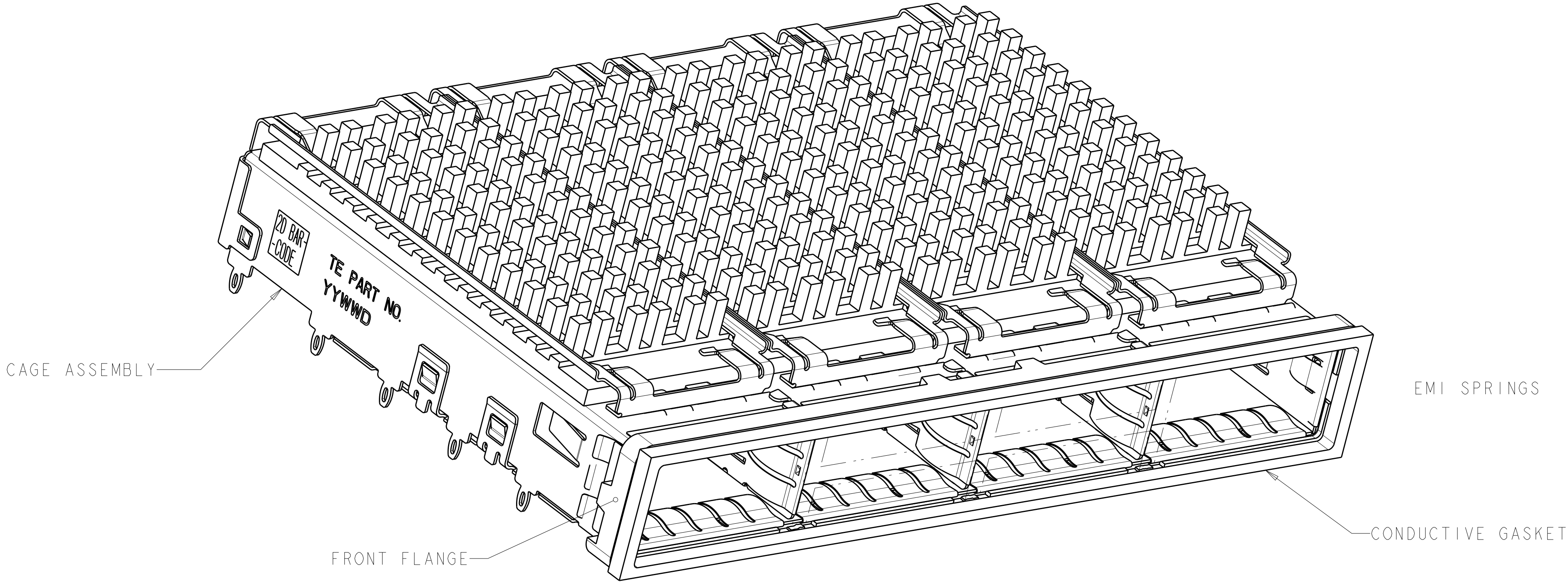
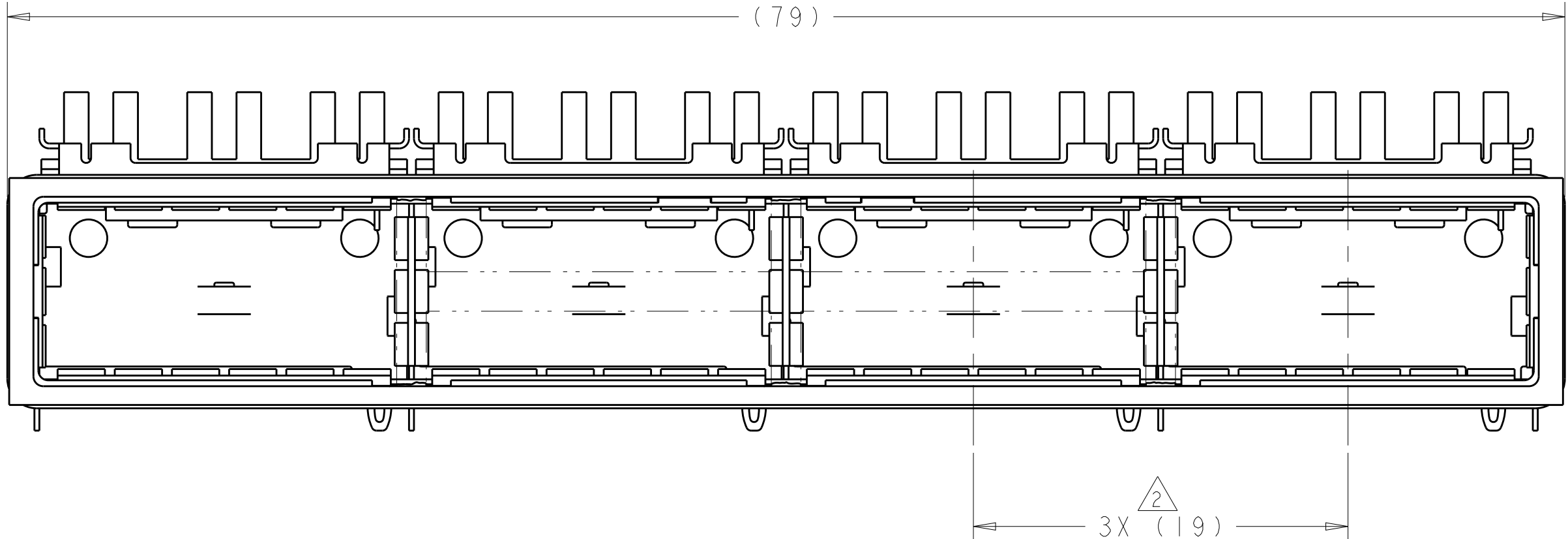
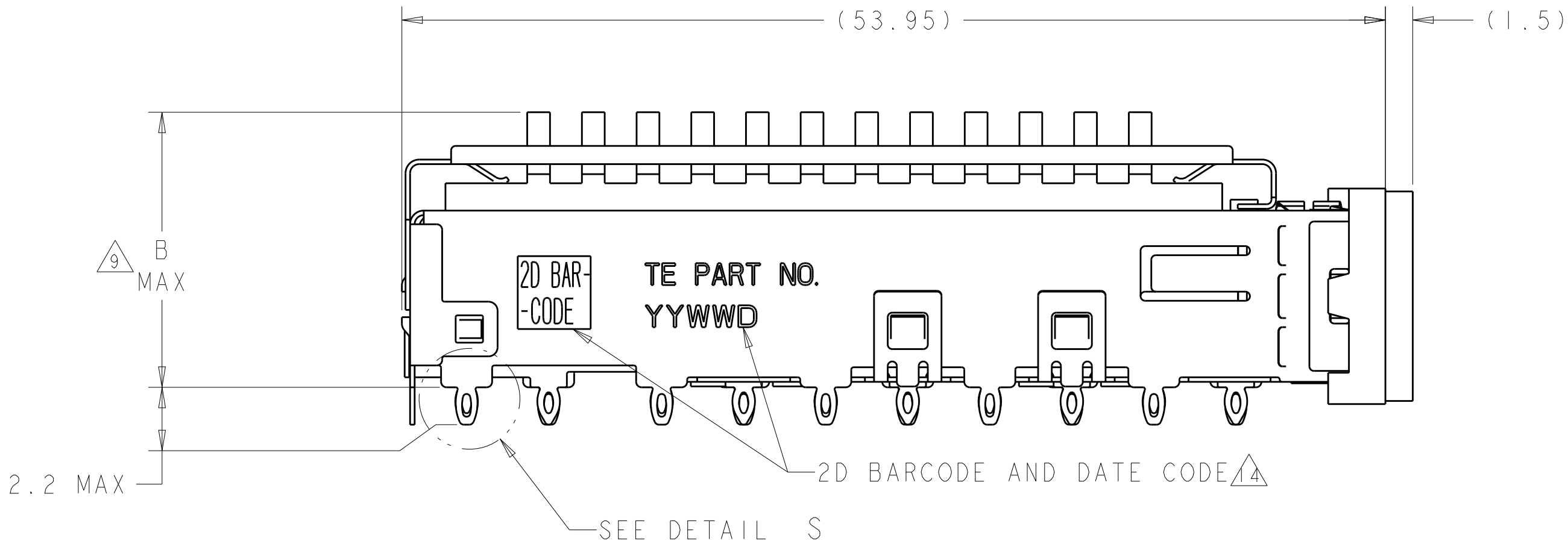
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			B	REVISED PER ECO-15-005721	4AUG2015	RG	SH



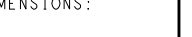
DETAIL S ¹²
SCALE 20:1

- ¹ CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY
CONDUCTIVE GASKET MATERIAL: RUBBER FOAM
- 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 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- ⁵ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 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.
- ⁷ HEAT SINKS AND 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 2D BARCODE AND DATE CODE (YYWWD) MARKED ON SIDE OF CAGE.
- ¹⁵ REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- ¹⁶ EMI SPRING FINISH: 2μm MINIMUM TIN
FRONT FLANGE FINISH: 3μm MINIMUM TIN OVER 1.27μm MINIMUM NICKEL OVER 5.08μm 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.		DWN KINSEN SUN 22FEB2012	 TE Connectivity			
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	SIZE CAGE CODE DRAWING NO	RESTRICTED TO	
		PRODUCT SPEC 108-2286				
	0 P/LC ±.1	APPLICATION SPEC 114-13218	A100779C=2174754	SCALE 4:1	SHEET 1 OF 5	REV B
	1 P/LC ±0.1	WEIGHT -				
	2 P/LC ±.013	CUSTOMER DRAWING				
	3 P/LC ±0.0001					
MATERIAL	FINISH					
						

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

CONDUCTIVE GASKET
QUANTITY: 1

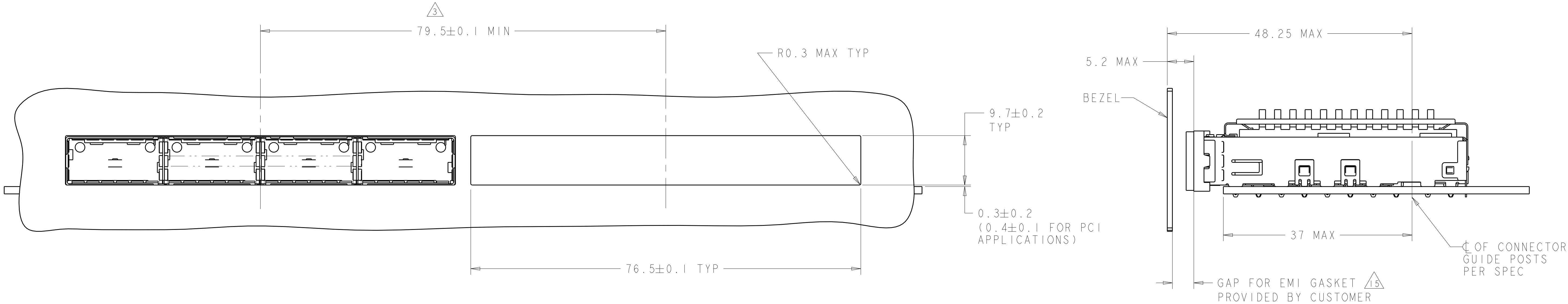
HEAT SINK CLIPS
QUANTITY: 4

72 PIN HEAT SINKS
QUANTITY: 4

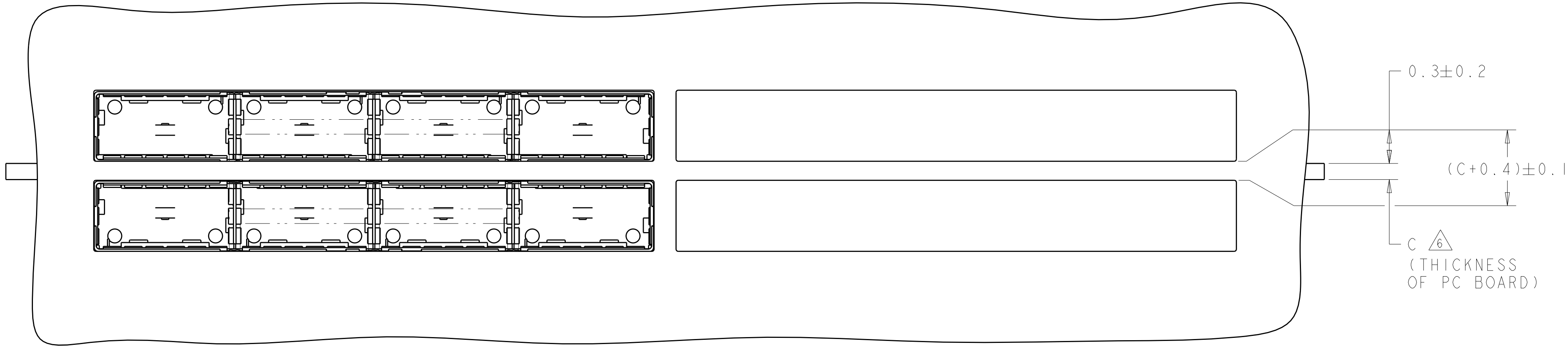
1X4 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

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

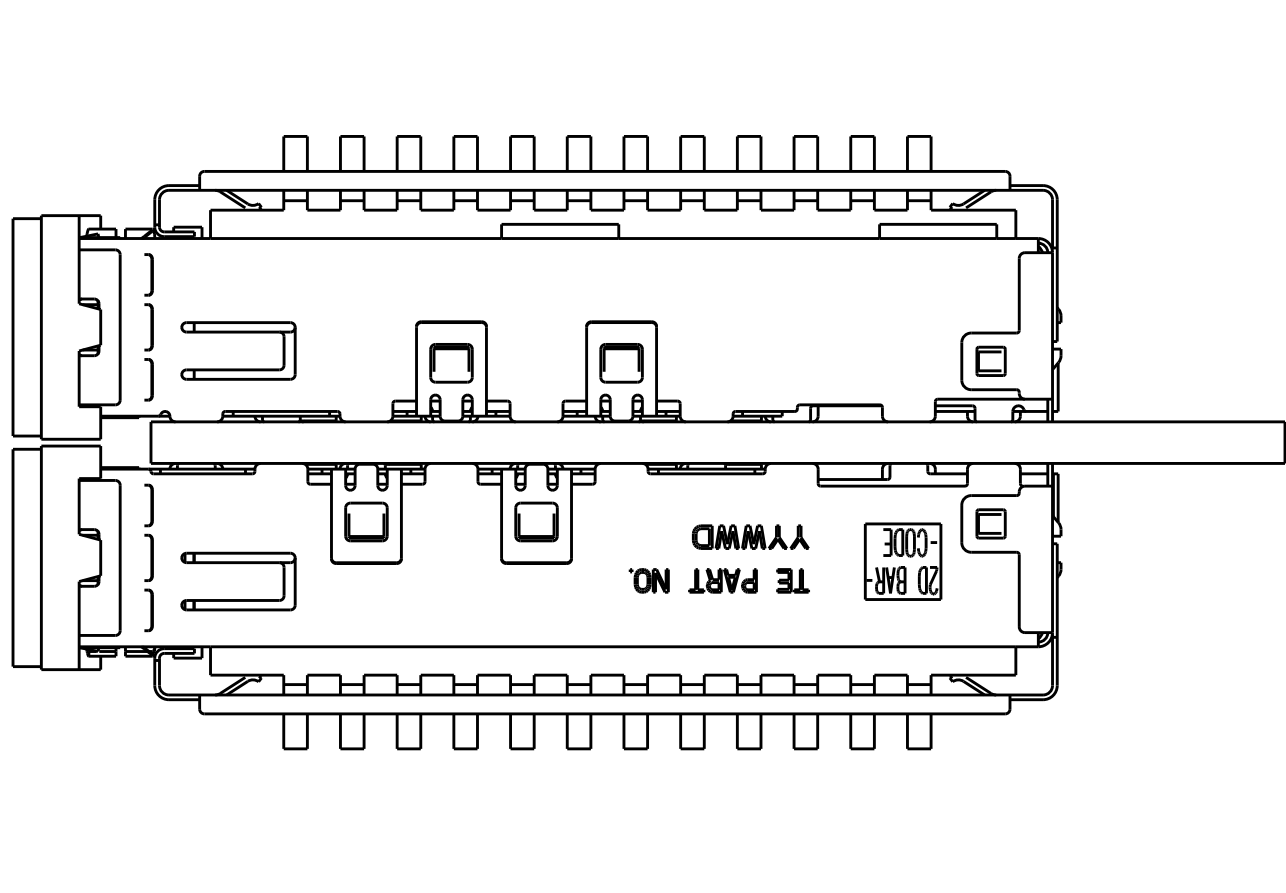
LOC		DIST		REVISIONS			
GP		00		P	LTR	DESCRIPTION	DATE
				-		SEE SHEET 1	-



ONE SIDED CONFIGURATION
SCALE 5:2

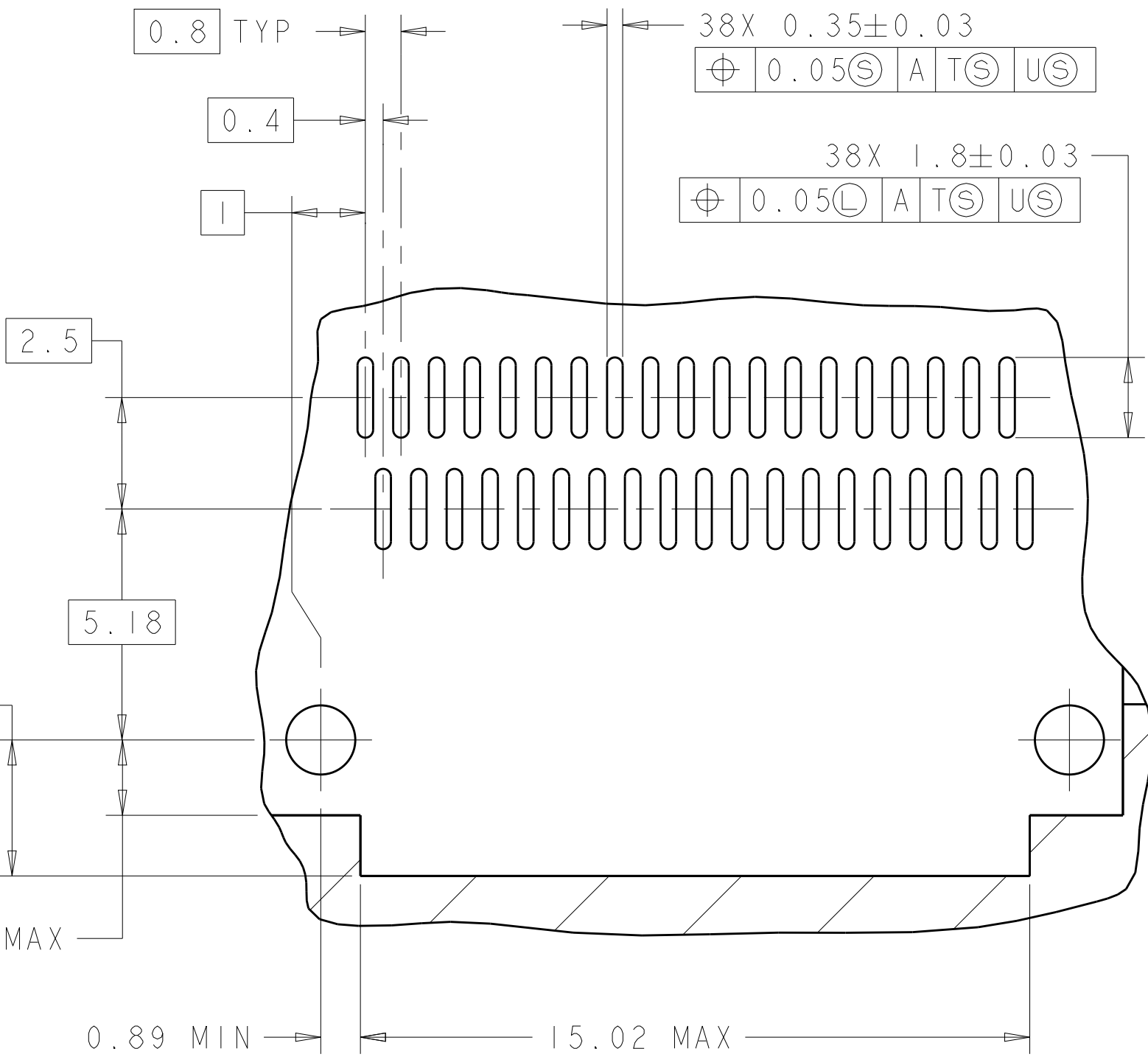
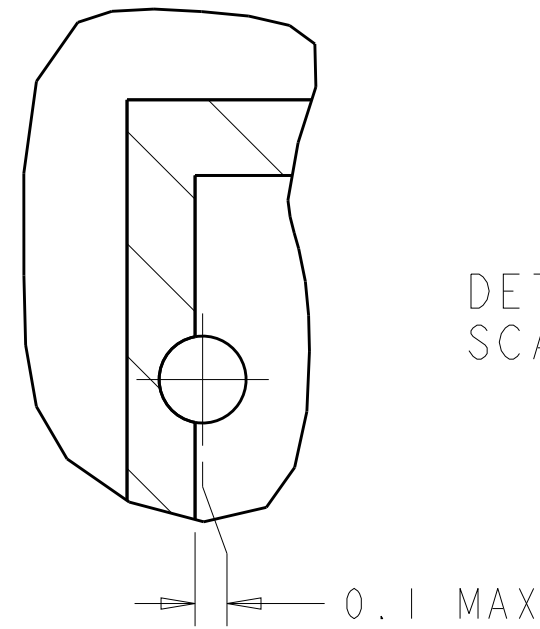
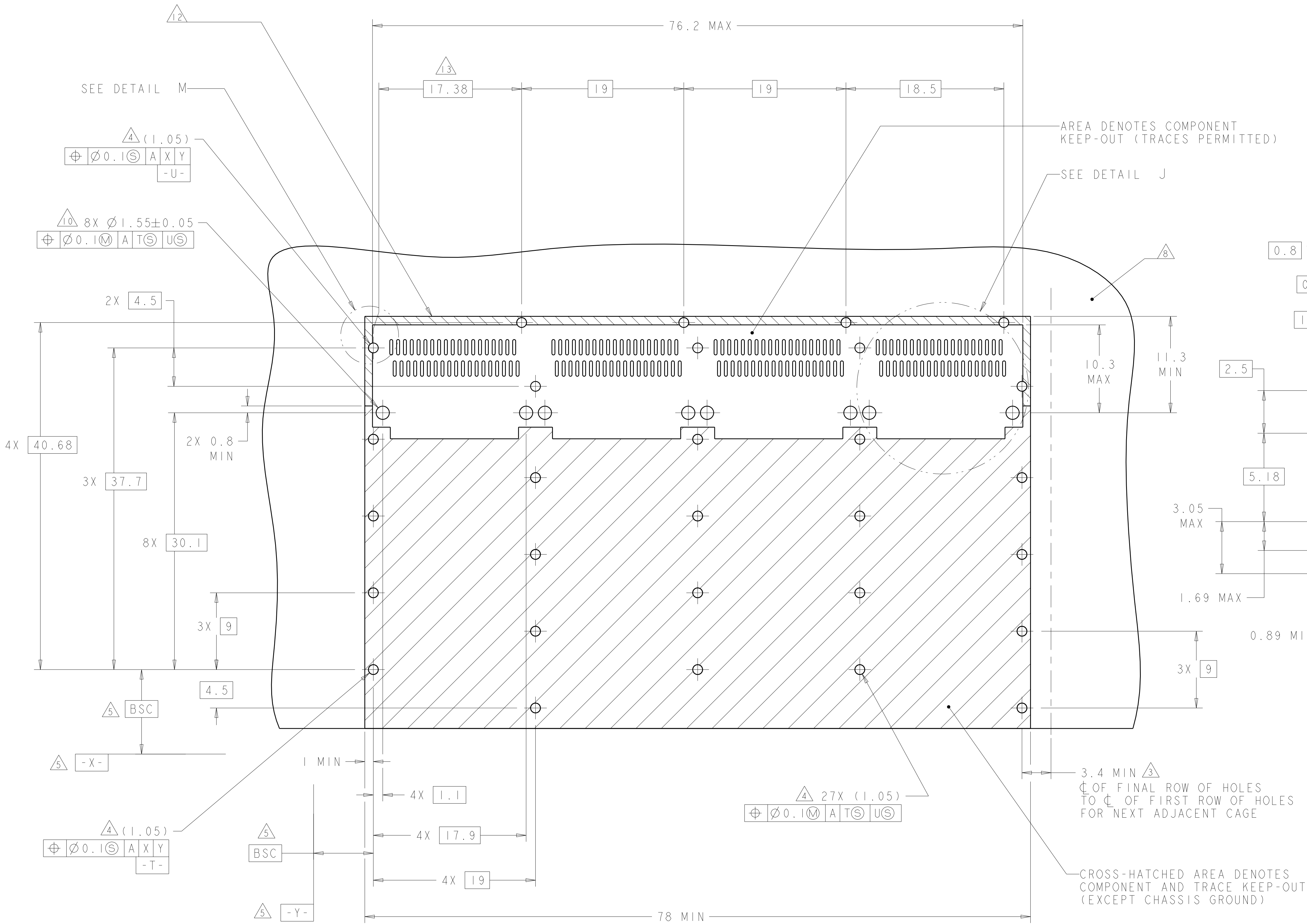


BELLY TO BELLY CONFIGURATION SIMILAR
TO ONE SIDED EXCEPT WHERE NOTED
SCALE 5:2



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	KINSEN SUN	22FEB2012	 TE Connectivity	
		CHK	DENNY ZHU	22FEB2012		
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mm		PRODUCT SPEC			SIZE	
		108-2286			CAGE CODE	
		APPLICATION SPEC			DRAWING NO	
		114-13218			A100779C=2174754	RESTRICTED TO
MATERIAL		FINISH			-	
		WEIGHT			-	
		CUSTOMER DRAWING			SCALE	4:1
					SHEET	3 OF 5
					REV	B

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

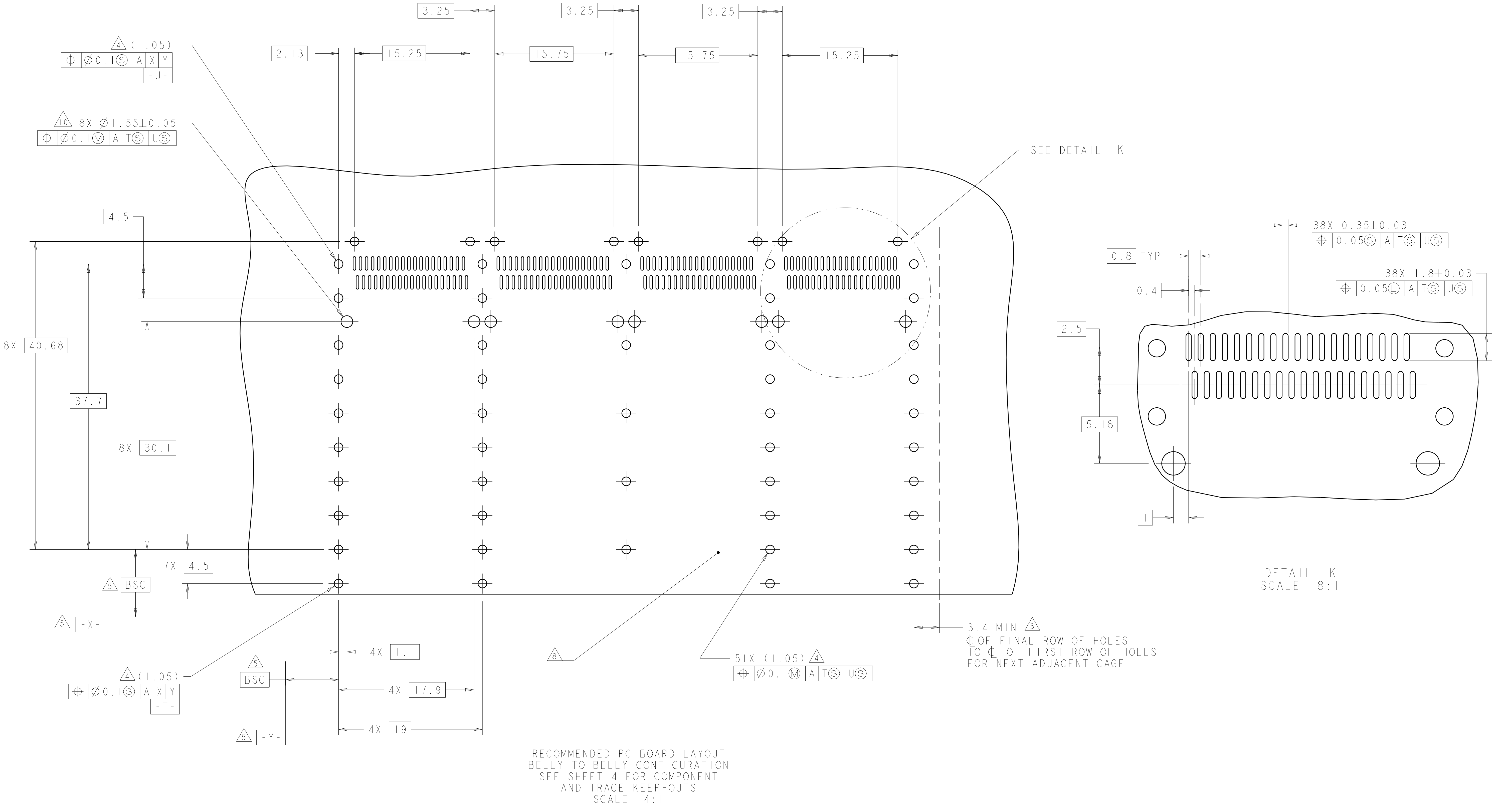


DETAIL J
3 PLACES
SCALE 8:1

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KINSEN SUN	22FEB2012	TE Connectivity	
		CHK DENNY ZHU	22FEB2012		
DIMENSIONS:		APVD ALEX CAI	22FEB2012	NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP	
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1 PLC		±0.1		SIZE A100779	
2 PLC		±0.1		CAGE CODE C=2174754	
3 PLC		±0.013		DRAWING NO	
4 PLC		±0.0001		RESTRICTED TO	
ANGLES		±		SCALE 4:1	
FINISH				SHEET 4 OF 5	
MATERIAL				REV B	
				CUSTOMER DRAWING	

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



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