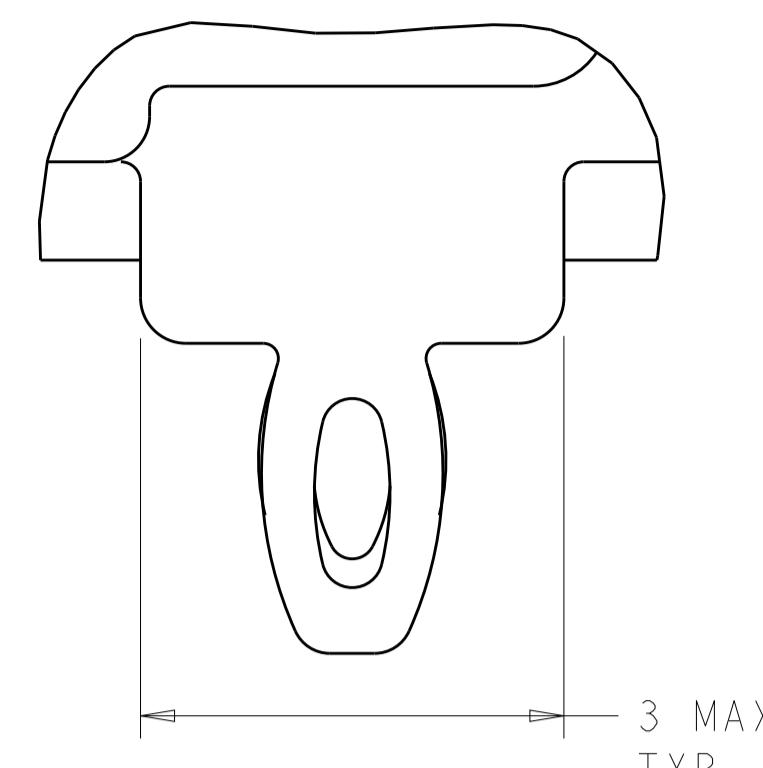


LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DNW
	GP	D		REVISED PER ECO-12-003841	14MAR2012	TY
		E		REVISED PER ECO-12-005533	31MAR2012	JY
		F		REVISED PER ECO-14-017735	3DEC2014	RG
						MC



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
FRONT FLANGE MATERIAL: ZINC ALLOY
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE

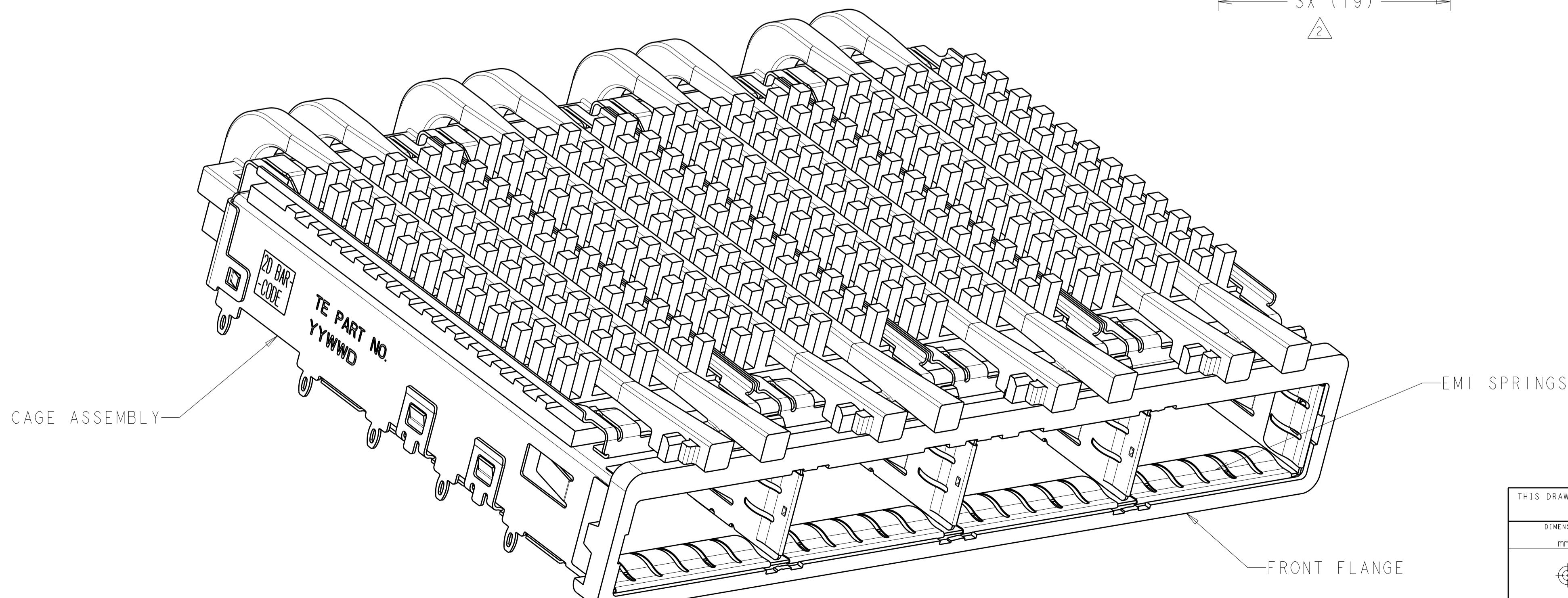
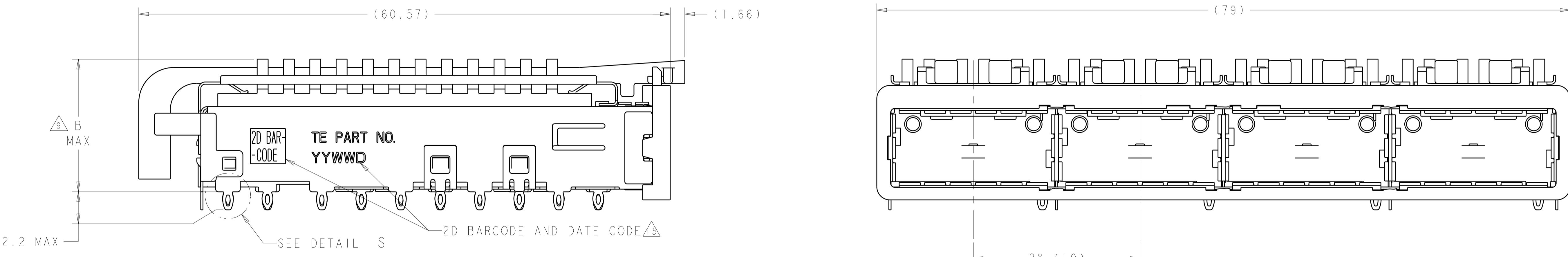
- △ PITCH BETWEEN PORTS OF ONE IX4 CAGE ASSEMBLY.
- △ SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- △ REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- △ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- △ 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.
- △ HEAT SINKS, LIGHT PIPES, AND CLIP 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.
- △ MAXIMUM HEIGHT OF LED OFF BOARD: 0.9mm.
- △ 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.

△ 15 2D BARCODE AND DATE CODE (YYWW) MARKED ON SIDE OF CAGE ASSEMBLY.

△ 16 REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.

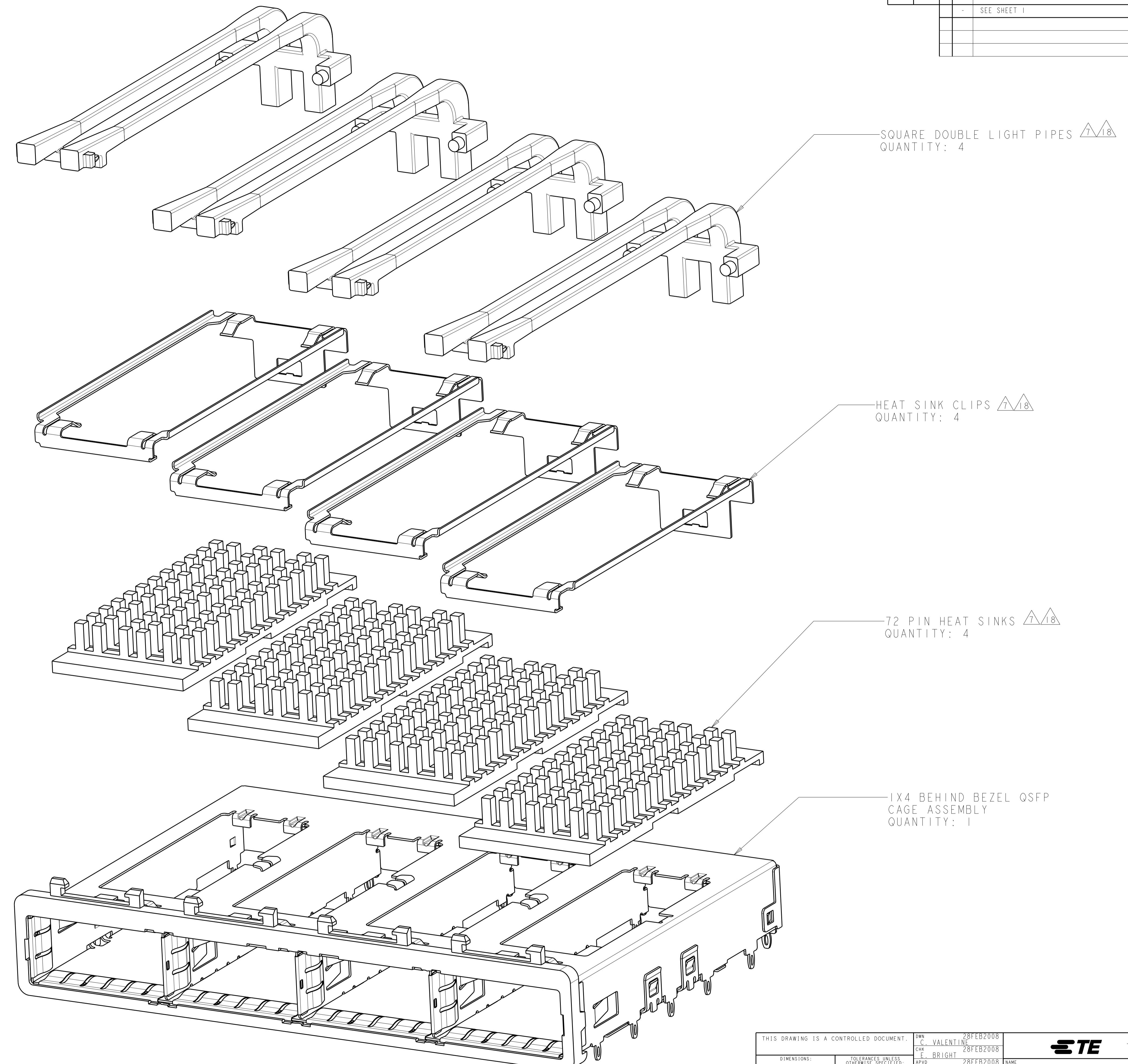
△ 17 EMI SPRING FINISH: 2µm MINIMUM TIN
FRONT FLANGE FINISH: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL
OVER 5.08µm MINIMUM COPPER
HEAT SINK FINISH: NICKEL.

△ 18 HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED IN THE PCB.



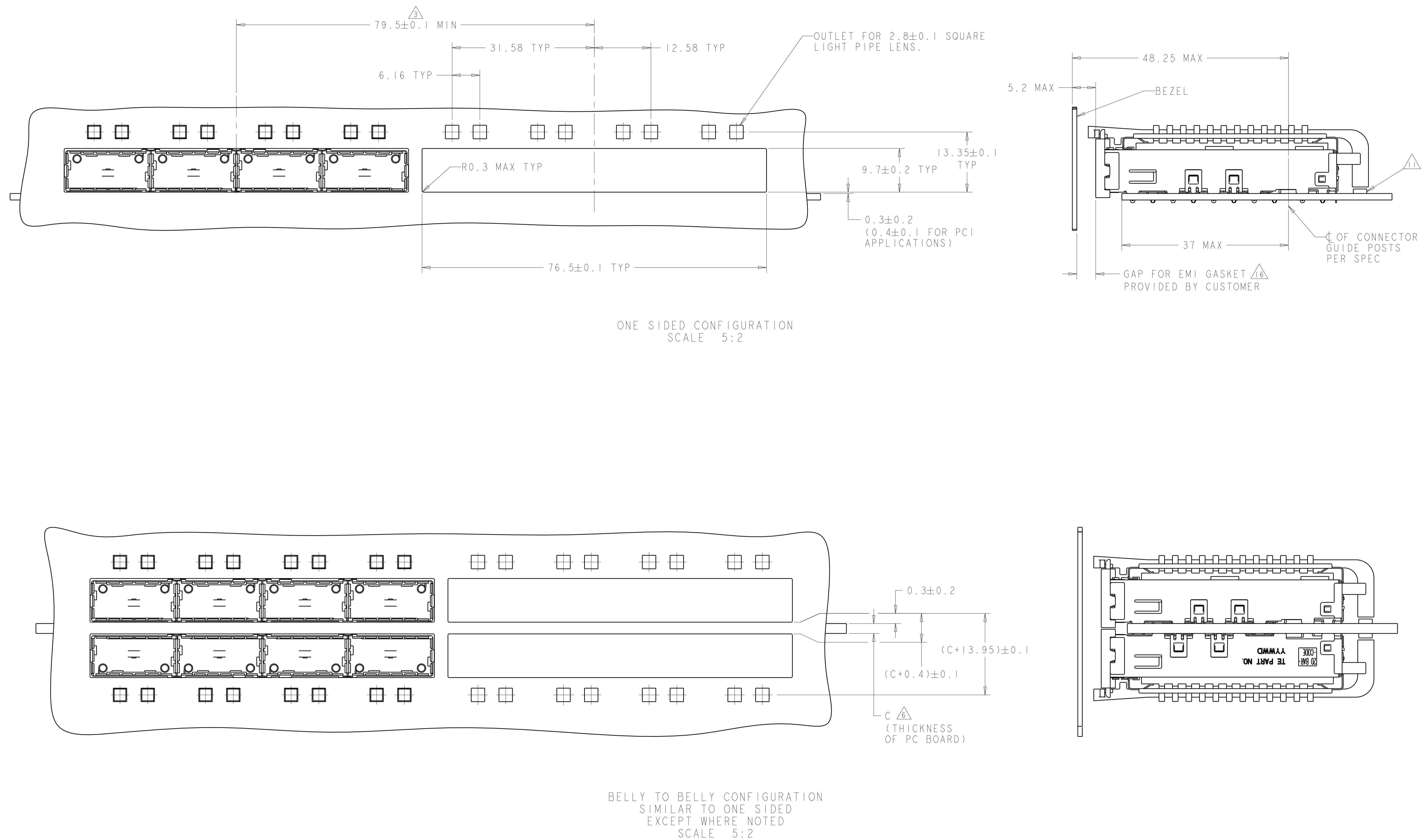
THIS DRAWING IS A CONTROLLED DOCUMENT.		28FEB2008	28FEB2008	TE Connectivity
		CHG	CHG	NAME
		E. BRIGHT	E. BRIGHT	IX4 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS, QSFP
DIMENSIONS:	mm	0 PLC	±0.1	SIZE: CAGE CODE: DRAWING NO:
		1 PLC	±0.1	A100779C=2007626
		2 PLC	±0.1	REV: -
		3 PLC	±0.1	
		4 PLC	±0.1	
MATERIAL:		AMLS	±0.1	
FINISH:				
WEIGHT:				
CUSTOMER DRAWING				
SCALE:	1:1	SHEET:	1	OF 5

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

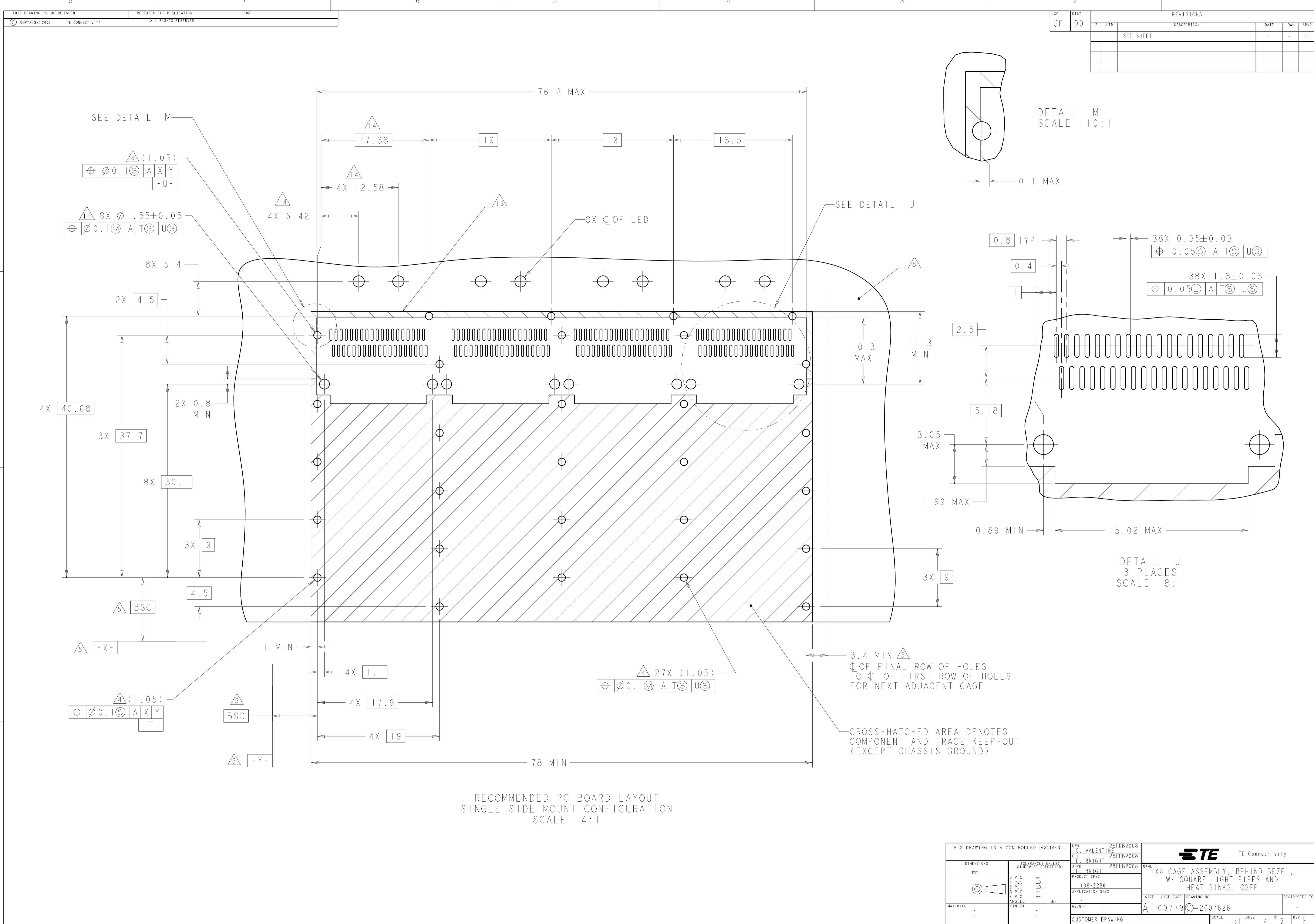


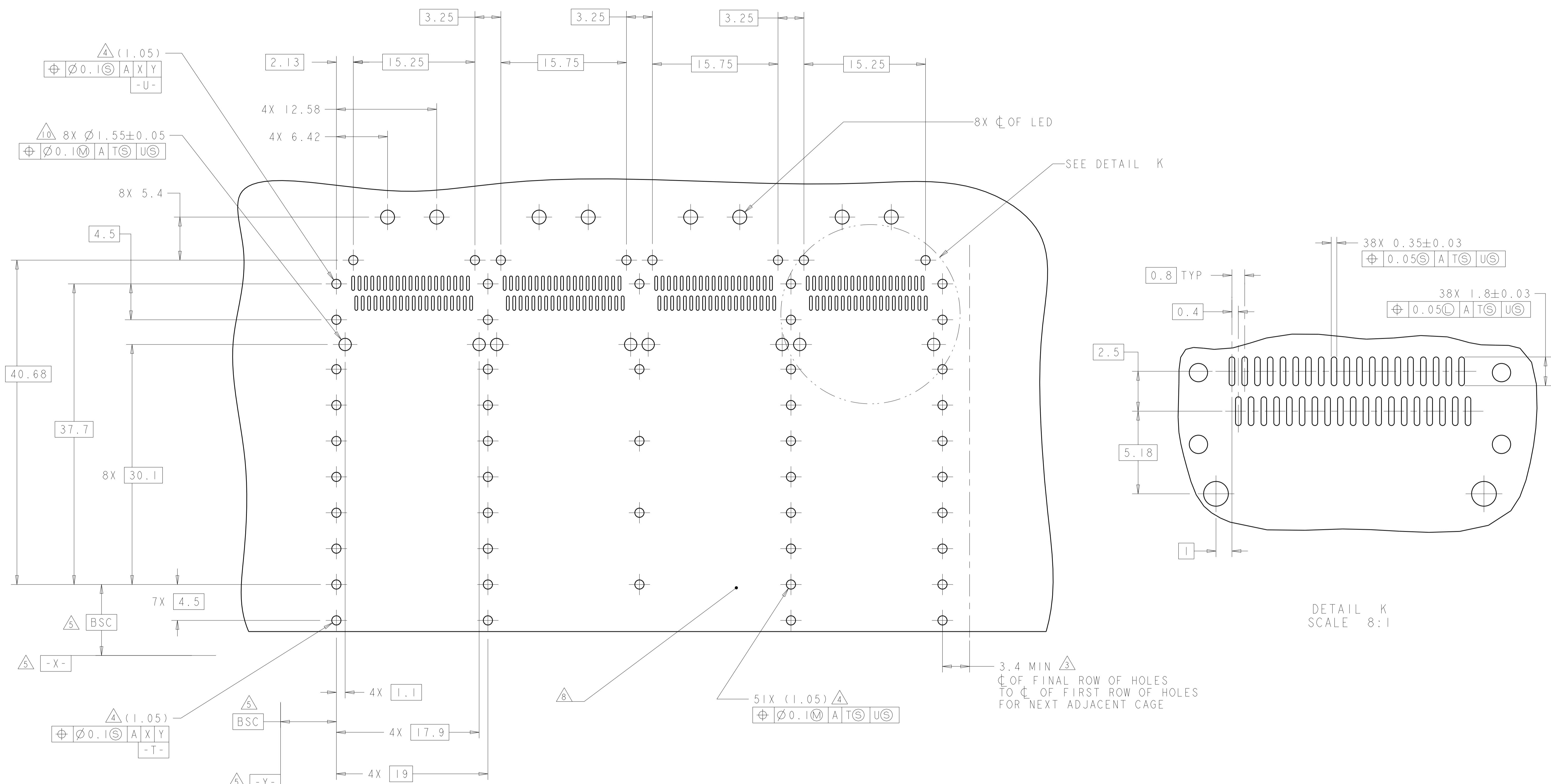
THIS DRAWING IS A CONTROLLED DOCUMENT.		28FEB2008	TE Connectivity
		C. VALENTINE 28FEB2008	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		0 PLC	±0.1
		1 PLC	±0.1
		2 PLC	±0.1
		3 PLC	±0.1
		4 PLC	±0.1
MATERIAL:		ANGLES:	
		FINISH:	
APVD		PRODUCT SPEC	
E. BRIGHT		108-2286	
APPLICATION SPEC		NAME: IX4 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS, QSFP	
WEIGHT:		SIZE: CAGE CODE: DRAWING NO: A100779C=2007626	
CUSTOMER DRAWING		RESTRICTED TO: -	

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		28FEB2008	TE Connectivity
CHG: C. VALENTINE 28FEB2008		E. BRIGHT 28FEB2008	
DIMENSIONS:	mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC		±0.1	
1 PLC		±0.1	
2 PLC		±0.1	
3 PLC		±0.1	
4 PLC		±0.1	
MATERIAL	FINISH	ANGLES	
		±10°	
		±15°	
		±20°	
		±30°	
		±45°	
		±60°	
		±90°	
WEIGHT			
CUSTOMER DRAWING			
SCALE 4:1	SHEET 3 OF 5	REV F	





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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 28FEB2008	 TE Connectivity			
DIMENSIONS:		CHK E. BRIGHT 28FEB2008				
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD E. BRIGHT 28FEB2008				
 0 PLC ±- 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±- 4 PLC ±- ANGLES ±-		PRODUCT SPEC 108-2286				
MATERIAL		APPLICATION SPEC -				
FINISH		WEIGHT	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
-		-	A 1	00779	C-2007626	-
-		-	CUSTOMER DRAWING			SCALE
-		-	4:1			SHEET
-		-	5			OF
-		-	5			REV

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