

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
FRONT FLANGE MATERIAL: ZINC ALLOY

2) PITCH BETWEEN PORTS OF ONE IX6 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 I14-13218 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 = 2.2mm PER QSFP.

7. HEAT SINKS 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 STANOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.

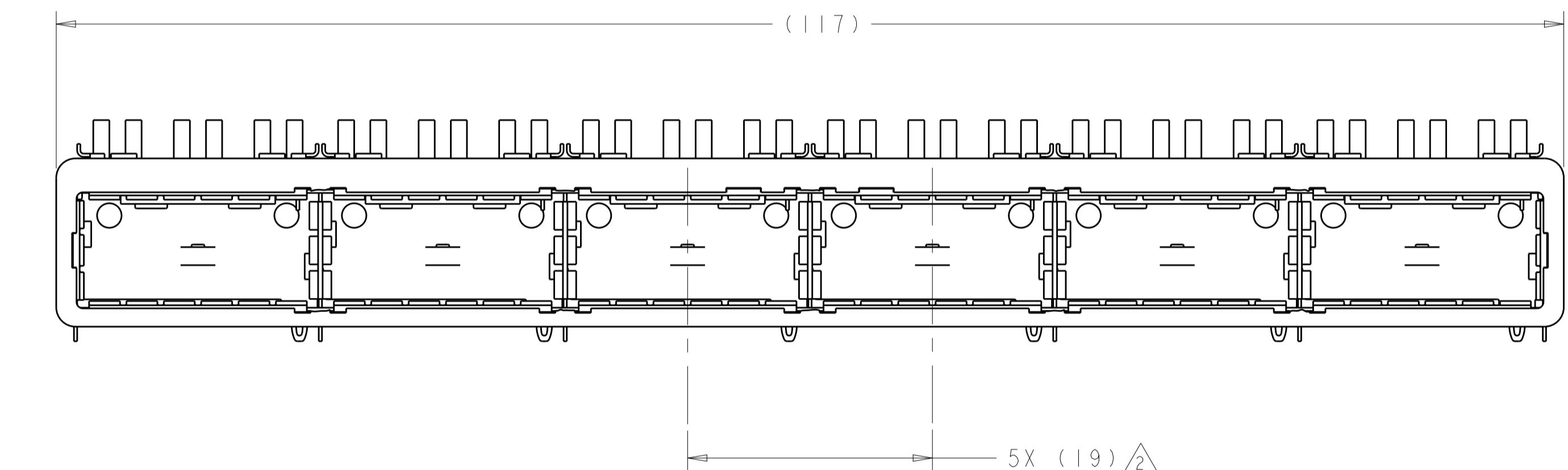
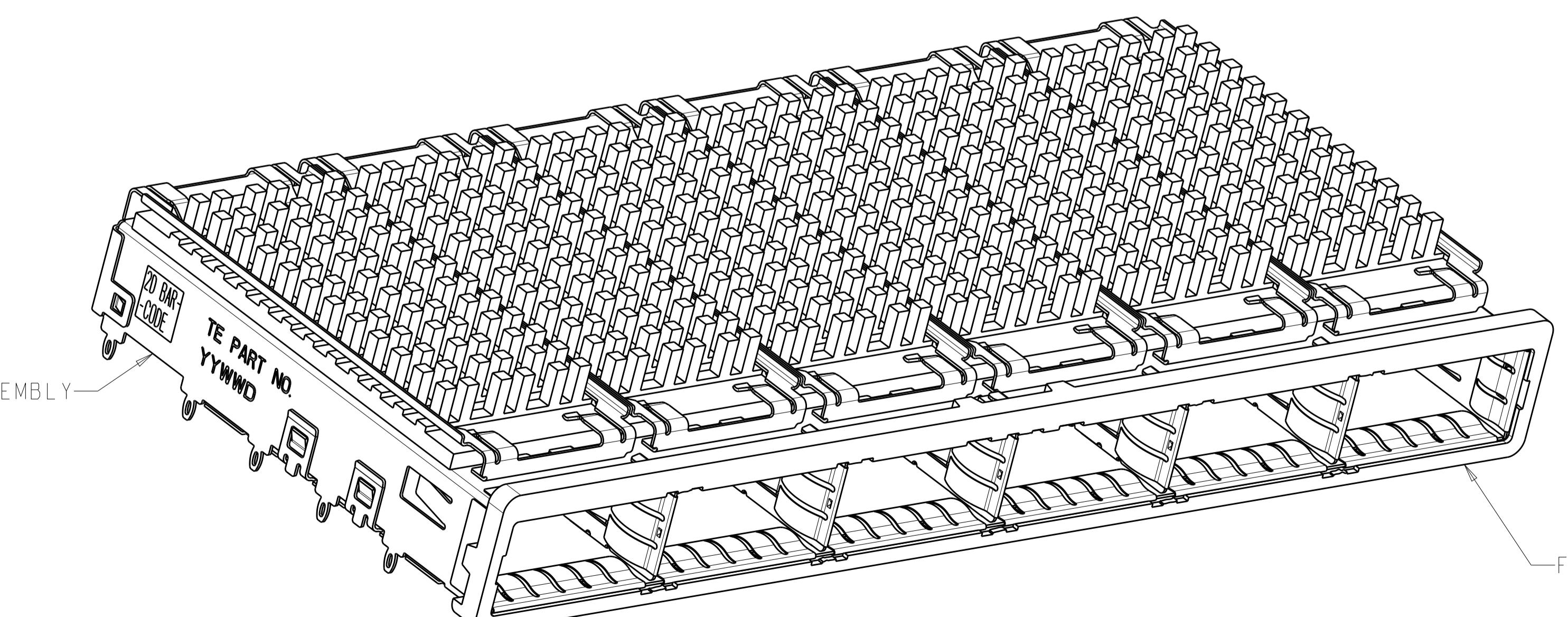
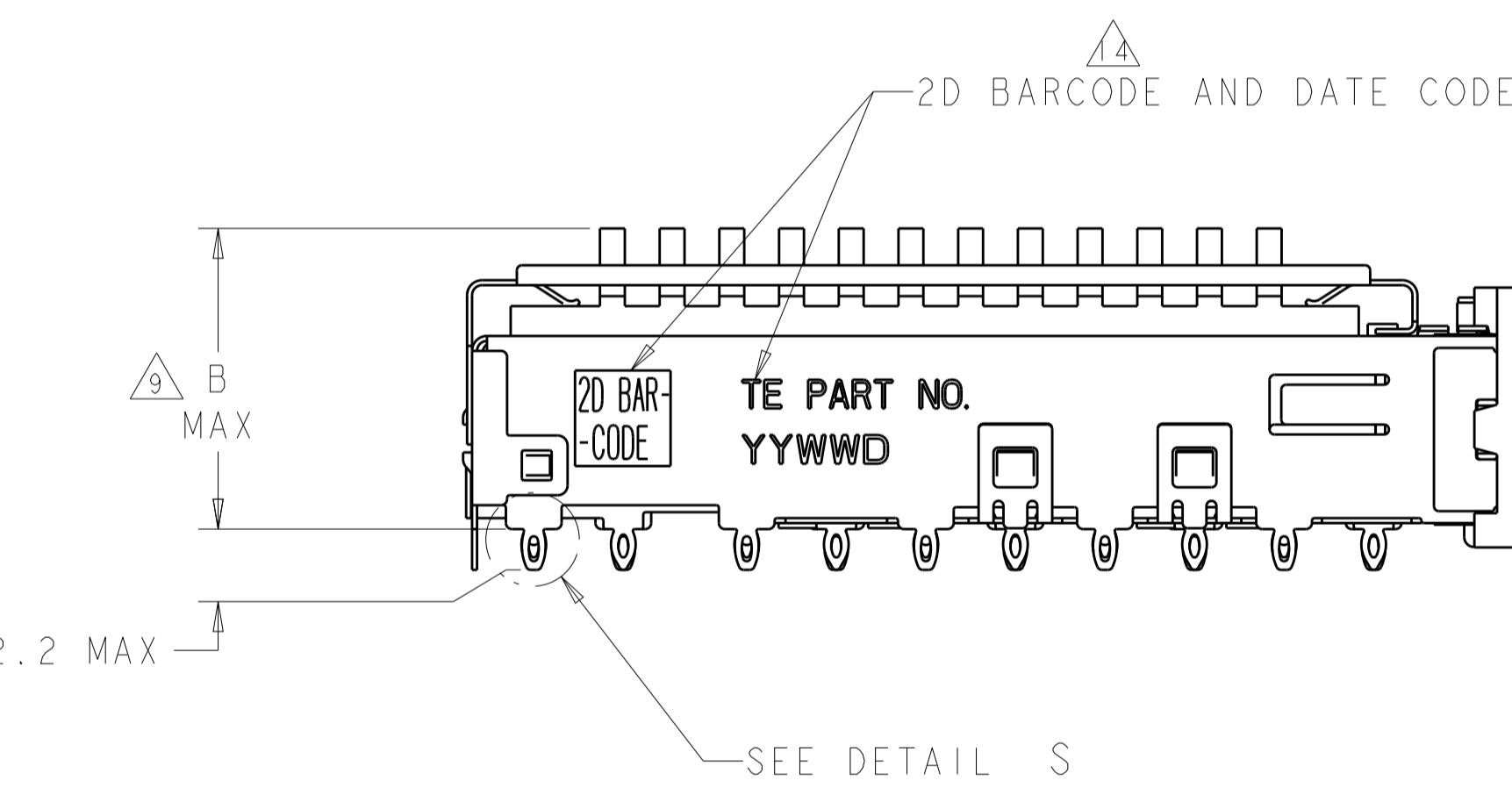
13) BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.

14) 2D BARCODE AND DATE CODE (YYWWWD) MARKED ON SIDE OF CAGE.

LOC	GP	DIST	REVISIONS				
			P	LTR	DESCRIPTION	DATE	DNW
		00	4	UPDATED VIEWS	30MAR2011	AL	CW
			5	REVISED PER ECO-12-003841	14MAR2012	TY	KS
			6	REVISED PER ECO-12-005533	05APR2012	JY	AC
			A	REVISED PER ECO-15-000148	10APR2015	RG	MC

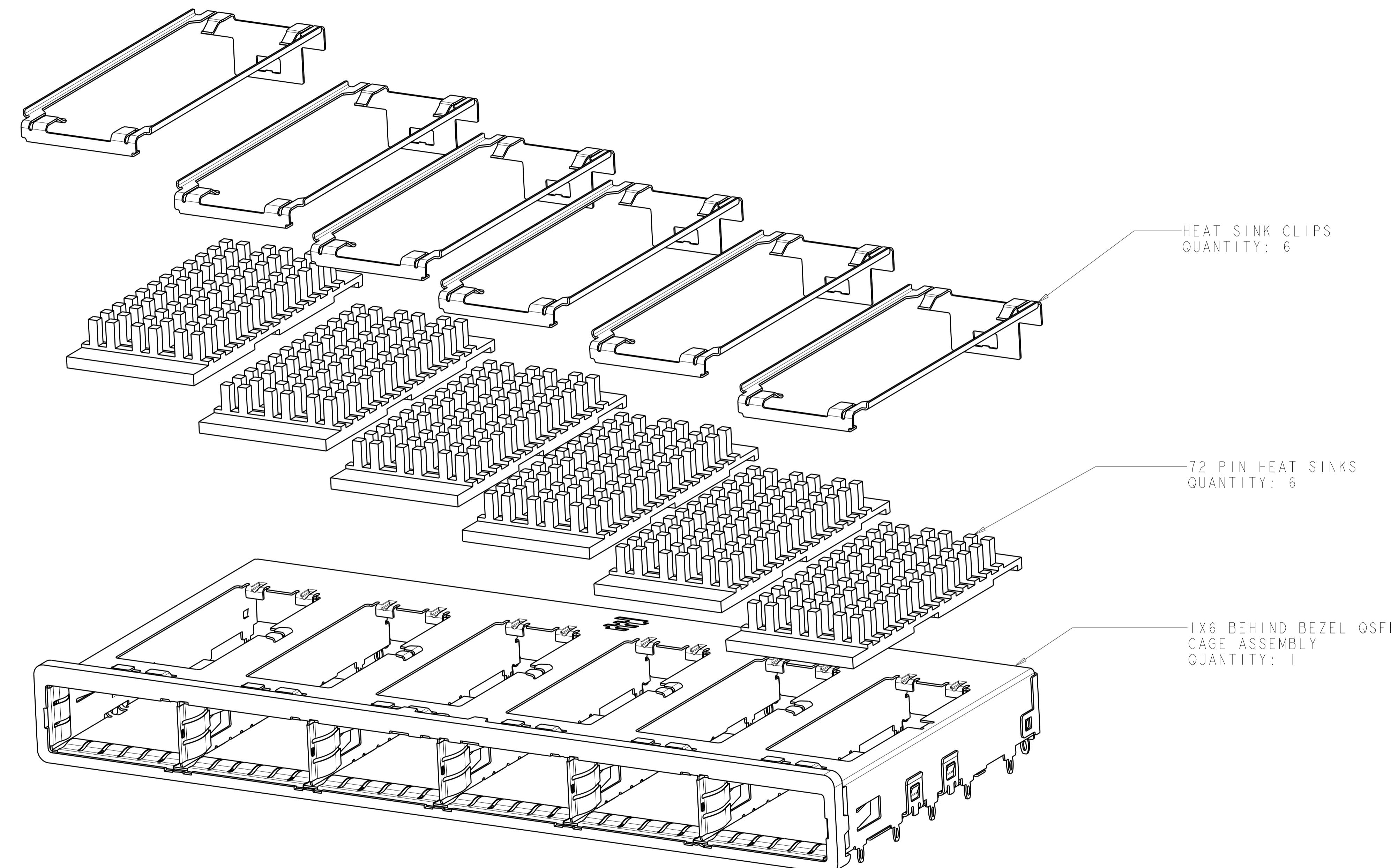
15) REFERENCE APP SPEC I14-13218 FOR GASKET THICKNESS CALCULATION.

16) EMI SPRING FINISH: 2um MINIMUM TIN
FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL
OVER 5.08um MINIMUM COPPER.
HEAT SINK FINISH: NICKEL



THIS DRAWING IS A CONTROLLED DOCUMENT.		17MAR2010	17MAR2010
		C. VALENTINE	J. PETERSON
		APVD	APVD
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	
		114-13218	
FINISH		APPLIC. SPEC.	
		I08-2286	
SPEC		PRODUCT SPEC.	
114-13218		I14-13218	
DRAWING NO.		CAGE CODE	
A 100779		C=214330	
Customer Drawing		RESTRICED TO	
		-	
SCALE 3:1		SHEET 1 OF 5	
REV A			

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

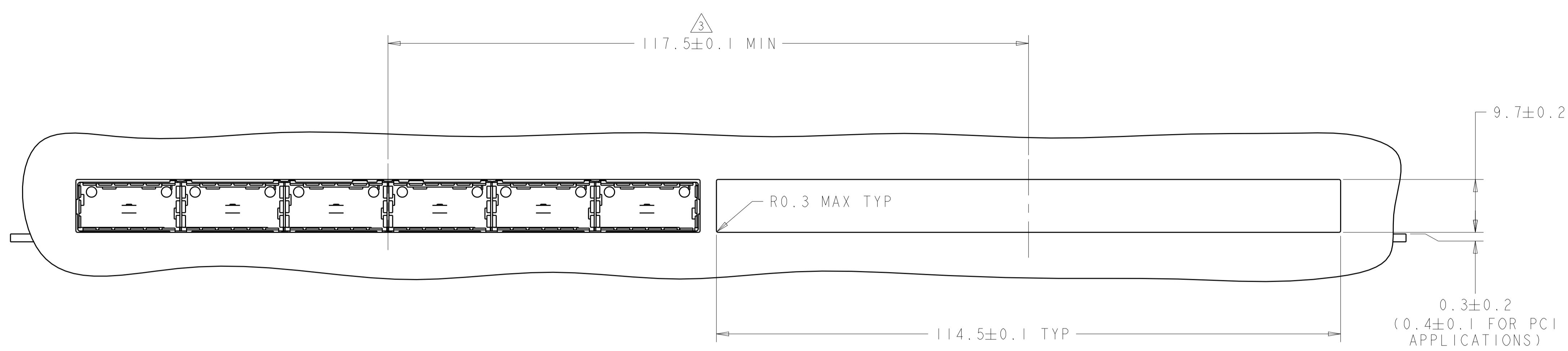


THIS DRAWING IS A CONTROLLED DOCUMENT.		17MAR2010	TE Connectivity
DIMENSIONS: mm		0 PLC ±0.1	NAME: IX6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
TOLERANCES UNLESS OTHERWISE SPECIFIED:		1 PLC ±0.1	APV#
		2 PLC ±0.1	17MAR2010
		3 PLC ±0.1	J. PETERSON
		4 PLC ±0.1	PRODUCT SPEC
		ANGLES ±1°	108-2286
MATERIAL	FINISH	APPLICATION SPEC	114-13218
		WEIGHT	Customer Drawing
		SCALE	3:1
		REVIEWED BY	-
		DATE	2 OF 5
		REV	A

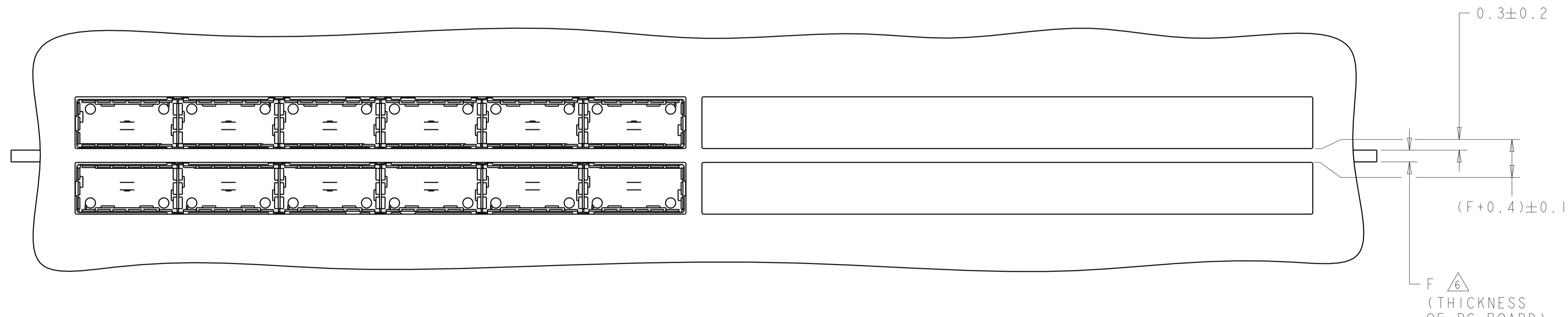
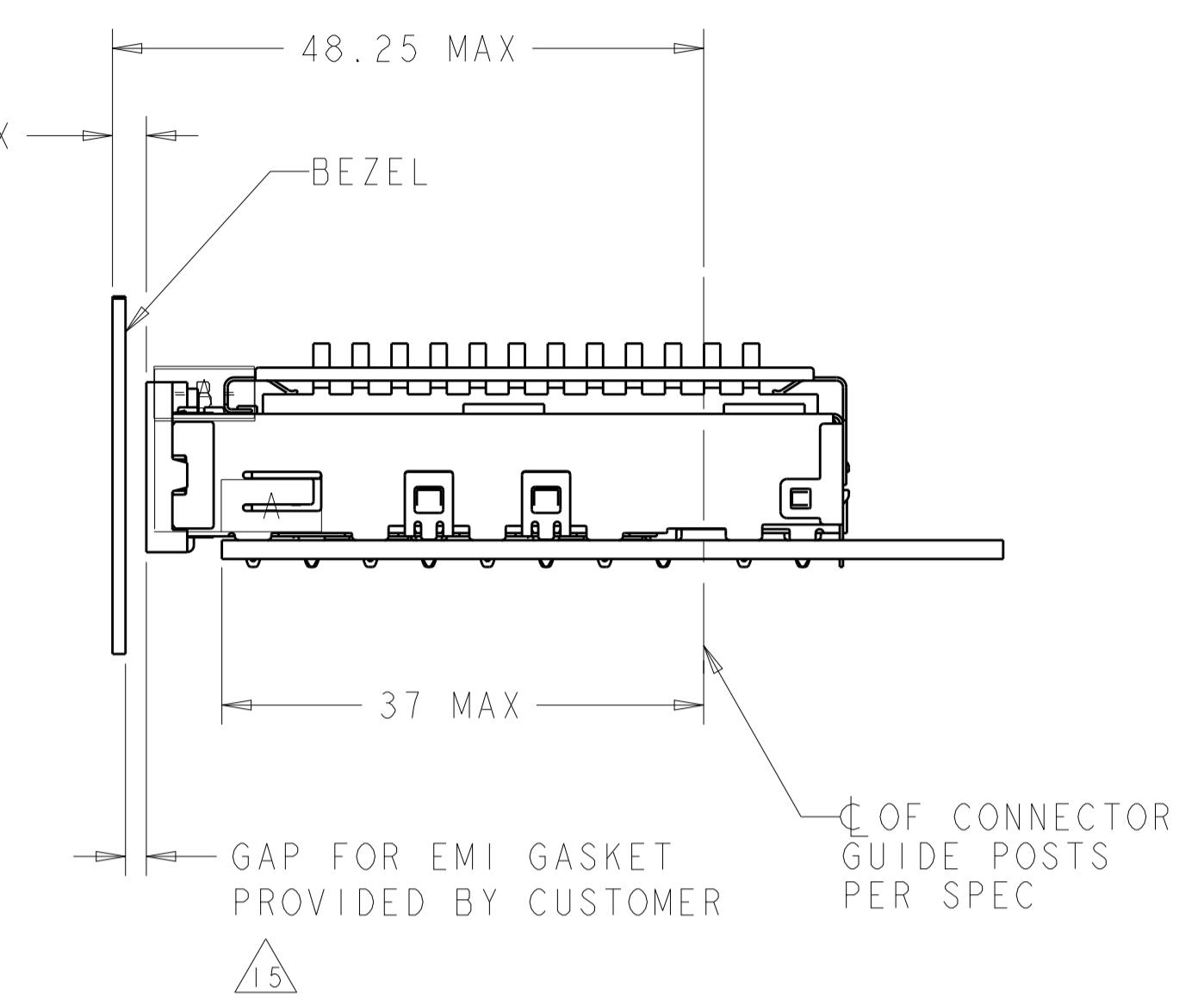
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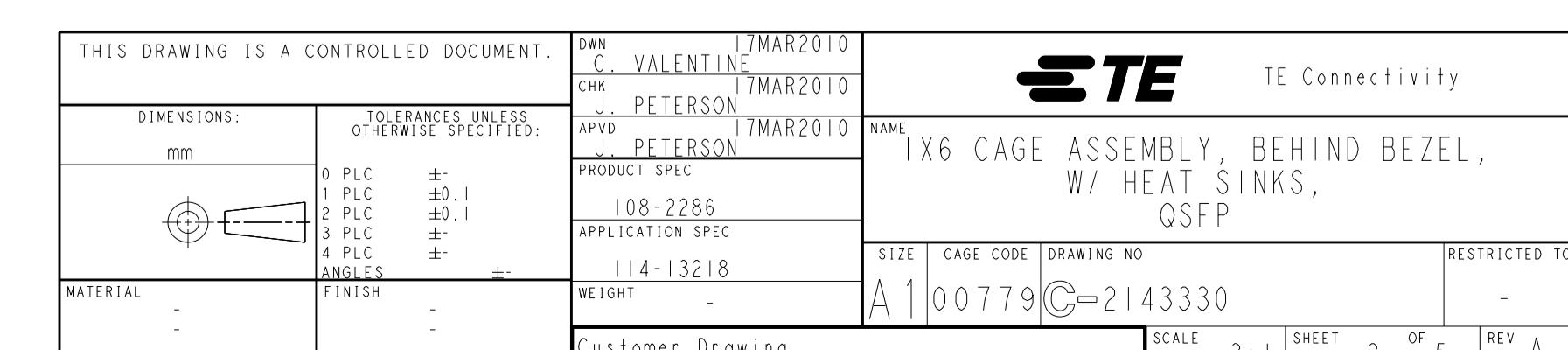
LOC GP	DIST 00	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	SEE SHEET 1		-	-	-



ONE SIDED CONFIGURATION SCALE 2:1



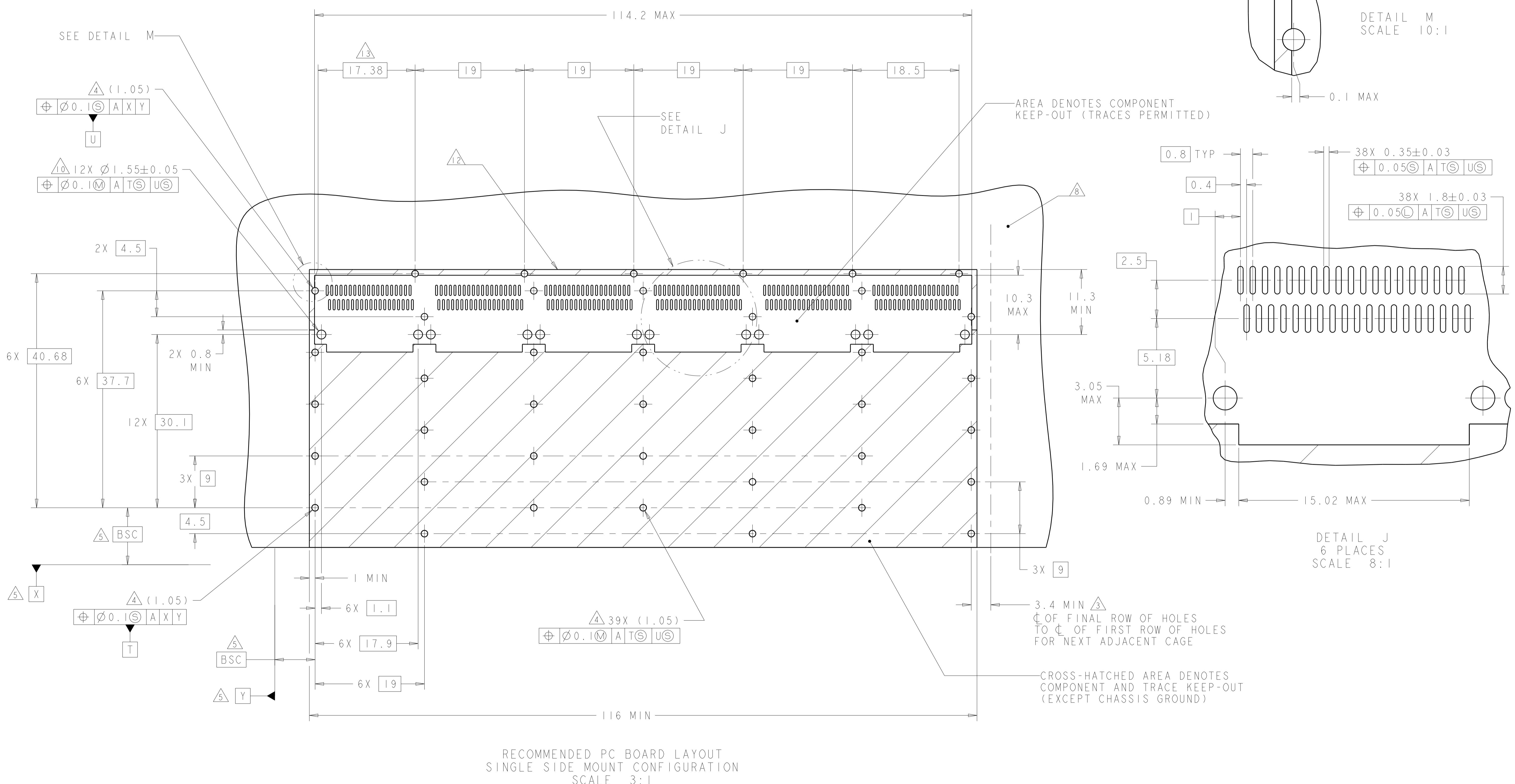
BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 2:1



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

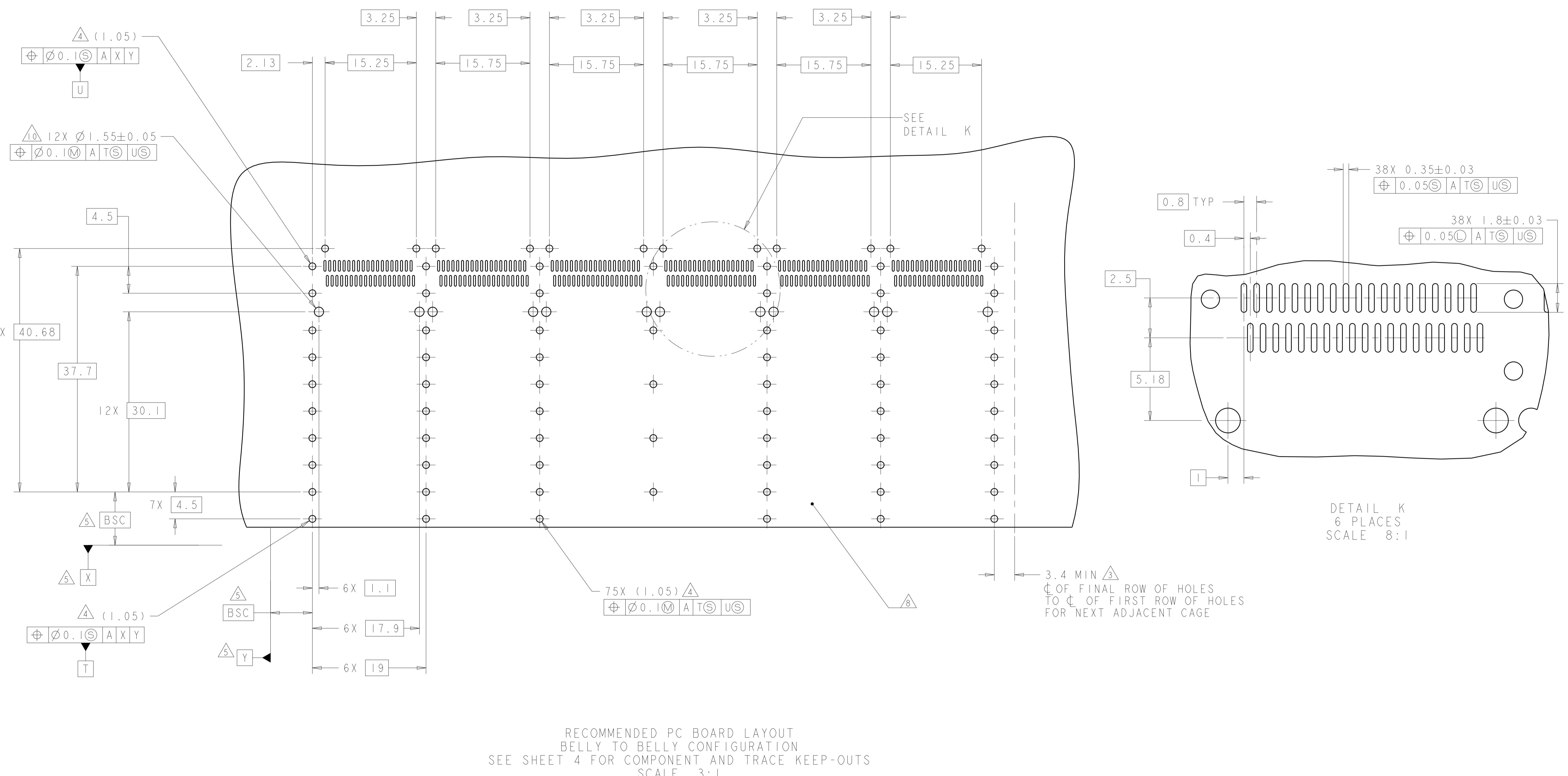


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 17MAR2010	 TE Connectivity X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP						
DIMENSIONS:		CHK J. PETERSON 17MAR2010							
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON 17MAR2010							
	0 PLC	±-		PRODUCT SPEC					
	1 PLC	±0.1		108-2286					
	2 PLC	±0.1		APPLICATION SPEC					
	3 PLC	±-	114-13218						
	4 PLC	±-							
ANGLES	±-		SIZE CAGE CODE DRAWING NO A1 00779 C-2143330						
MATERIAL	FINISH	WEIGHT		-					
-	-	Customer Drawing							
-	-	SCALE	4:1	SHEET	4	OF	5	REV	A

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



RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 17MAR2010	 TE Connectivity					
		CHK J. PETERSON 17MAR2010						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON 17MAR2010					
		PRODUCT SPEC						
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES		\pm ± 0.1 ± 0.1 \pm \pm \pm	108-2286					
			APPLICATION SPEC					
			114-13218					
MATERIAL		FINISH	WEIGHT					
-		-	-					
-		-	-					
		Customer Drawing						
		SCALE	4	SHEET	5	OF	5	REV
								A