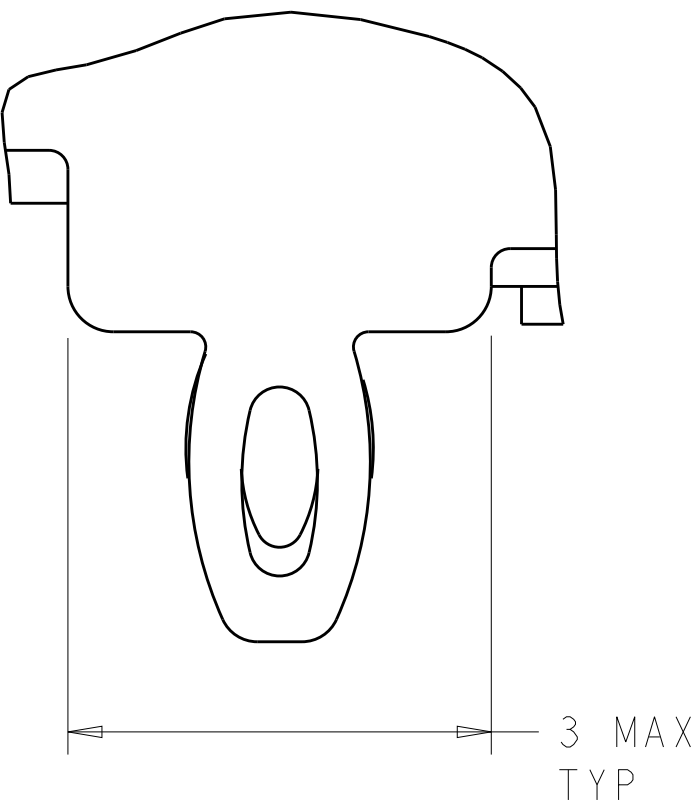


















LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	DWN	APVD	
GP	00		C	REVISED PER ECO-10-018054	02NOV2010	CJV	EJB	
			D	REVISED PER ECO-12-005533	23MAR2012	JY	AC	
			E	REVISED PER ECO-14-012115	6AUG2014	RG	MC	
			F	REVISED PER ECO-14-017735	30EC2014	RG	MC	

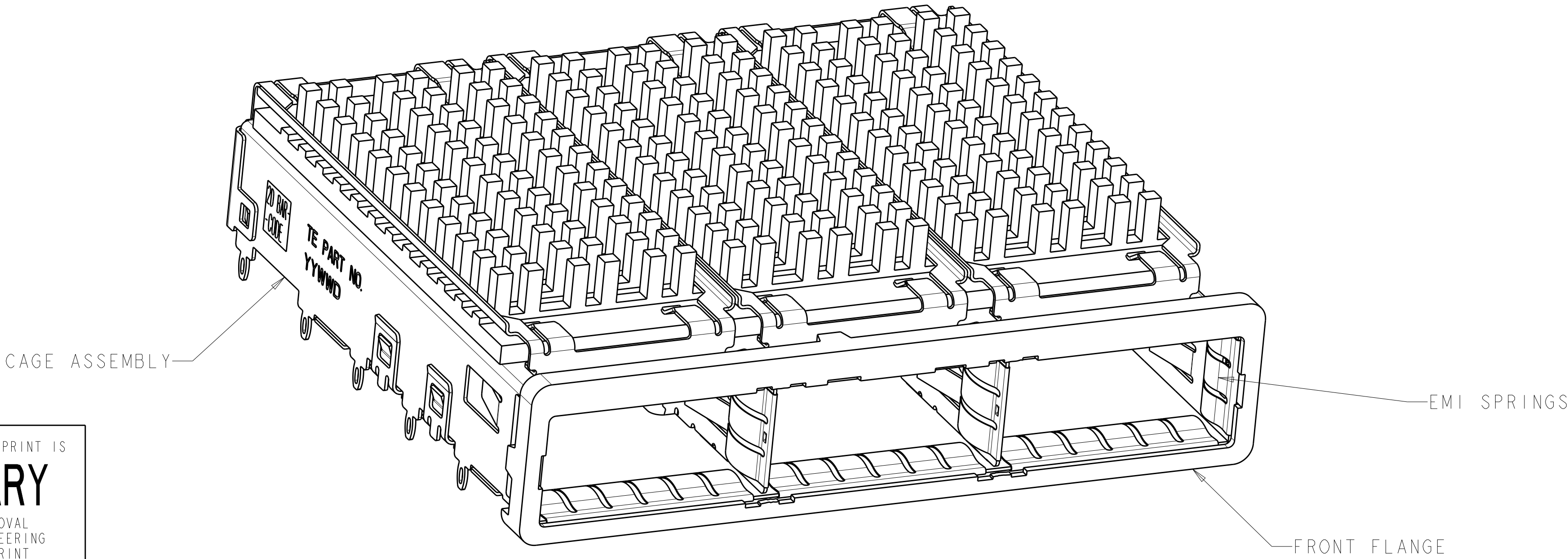
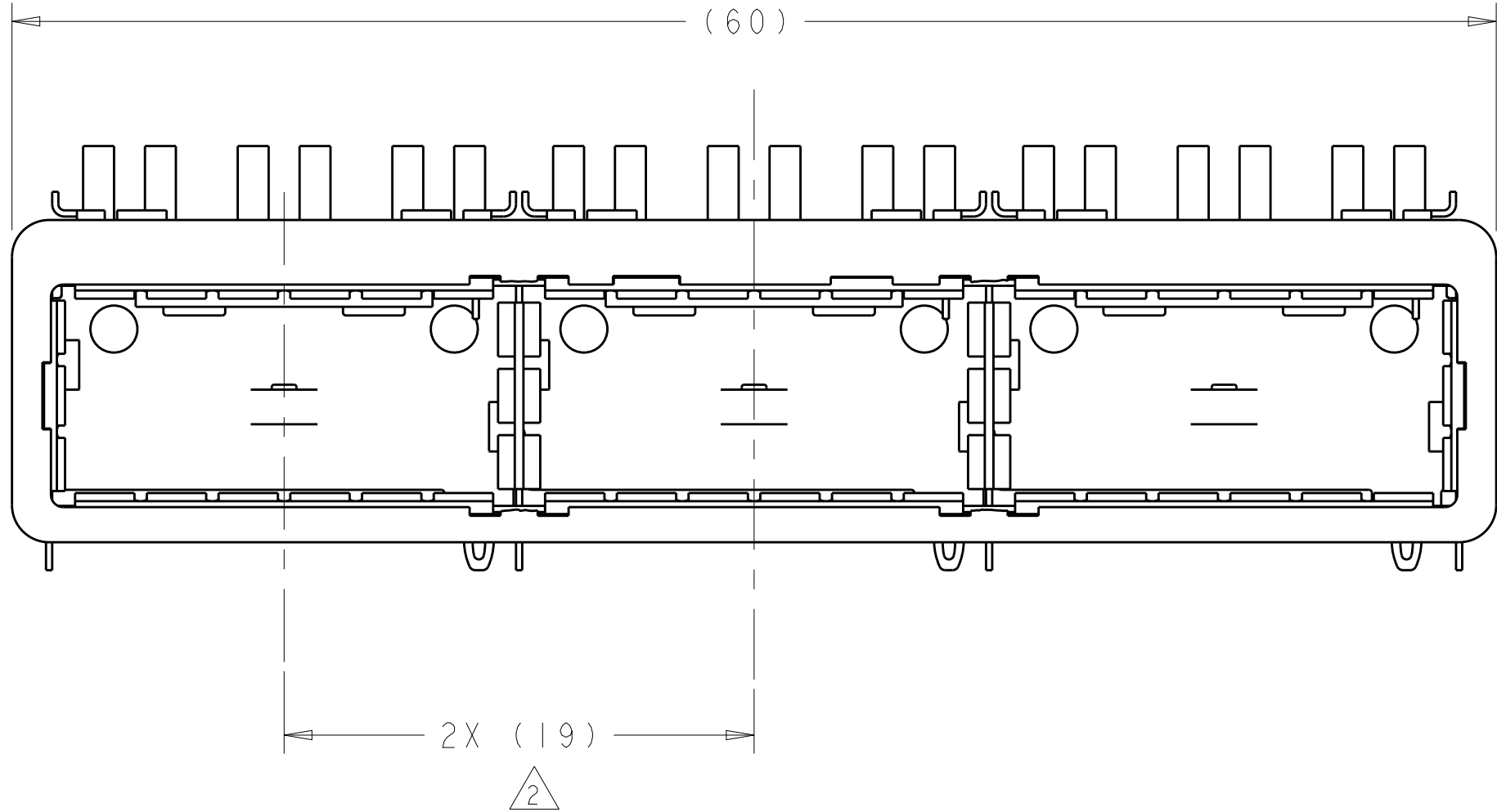
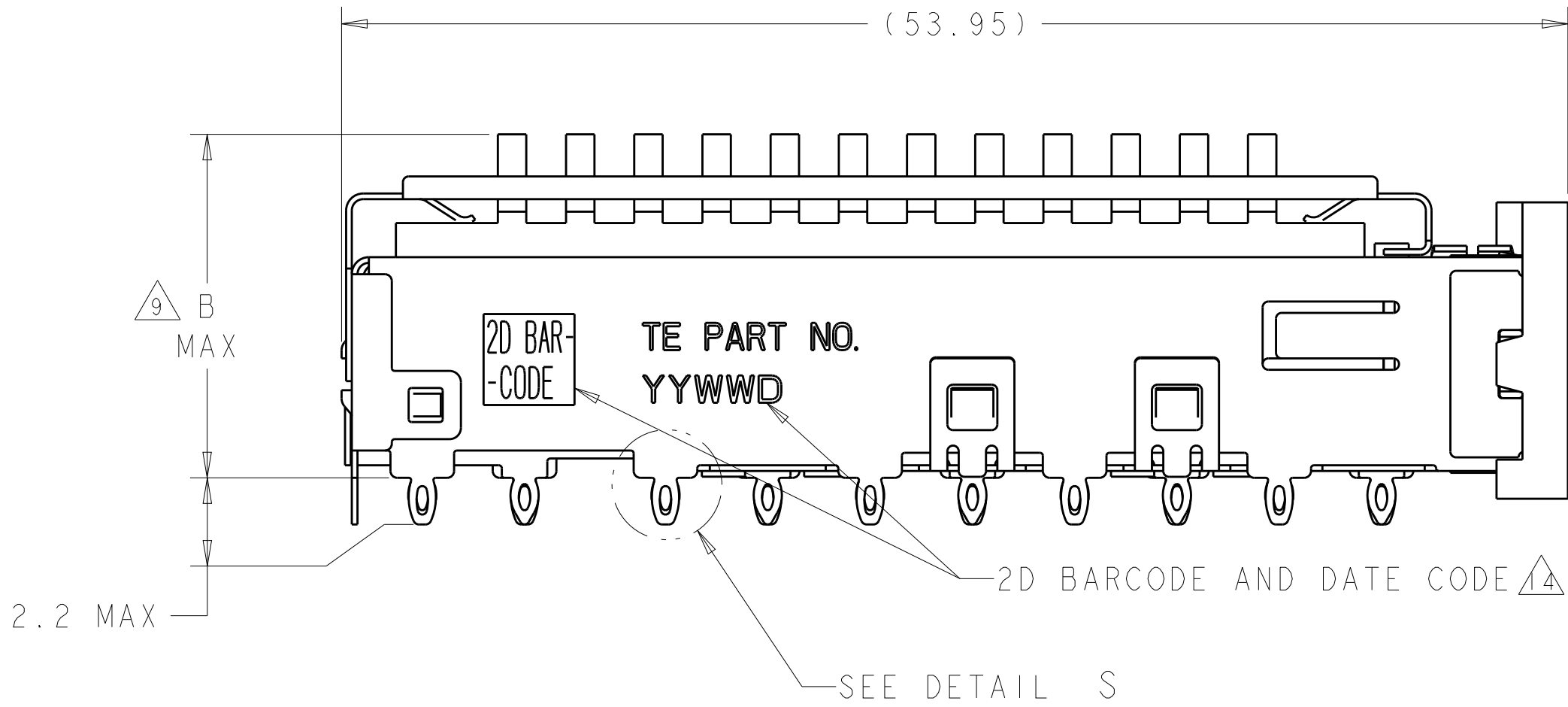


DETAIL S   
SCALE 20:1

-  MATERIALS:  
CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK  
EMI SPRINGS: COPPER ALLOY  
FRONT FLANGE: ZINC ALLOY  
HEAT SINK: ALUMINUM  
HEAT SINK CLIP: STAINLESS STEEL
-  PITCH BETWEEN PORTS OF ONE 1X3 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.  
MINIMUM SINGLE SIDED PC BOARD THICKNESS: 1.45mm  
MINIMUM DOUBLE SIDED PC BOARD THICKNESS: 2.2mm PER QSFP
-  HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
-  DATUM  IS TOP SURFACE OF PC BOARD.
-  DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
-  UNPLATED THRU HOLE.

11. 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.
-  2D BARCODE AND DATE CODE (YYWWDD) MARKED ON SIDE OF CAGE.
-  REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
-  FINISH:  
EMI SPRINGS: 2µm MINIMUM TIN  
FRONT FLANGE: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL  
OVER 5.08µm MINIMUM COPPER  
HEAT SINK: ANODIZED BLACK.

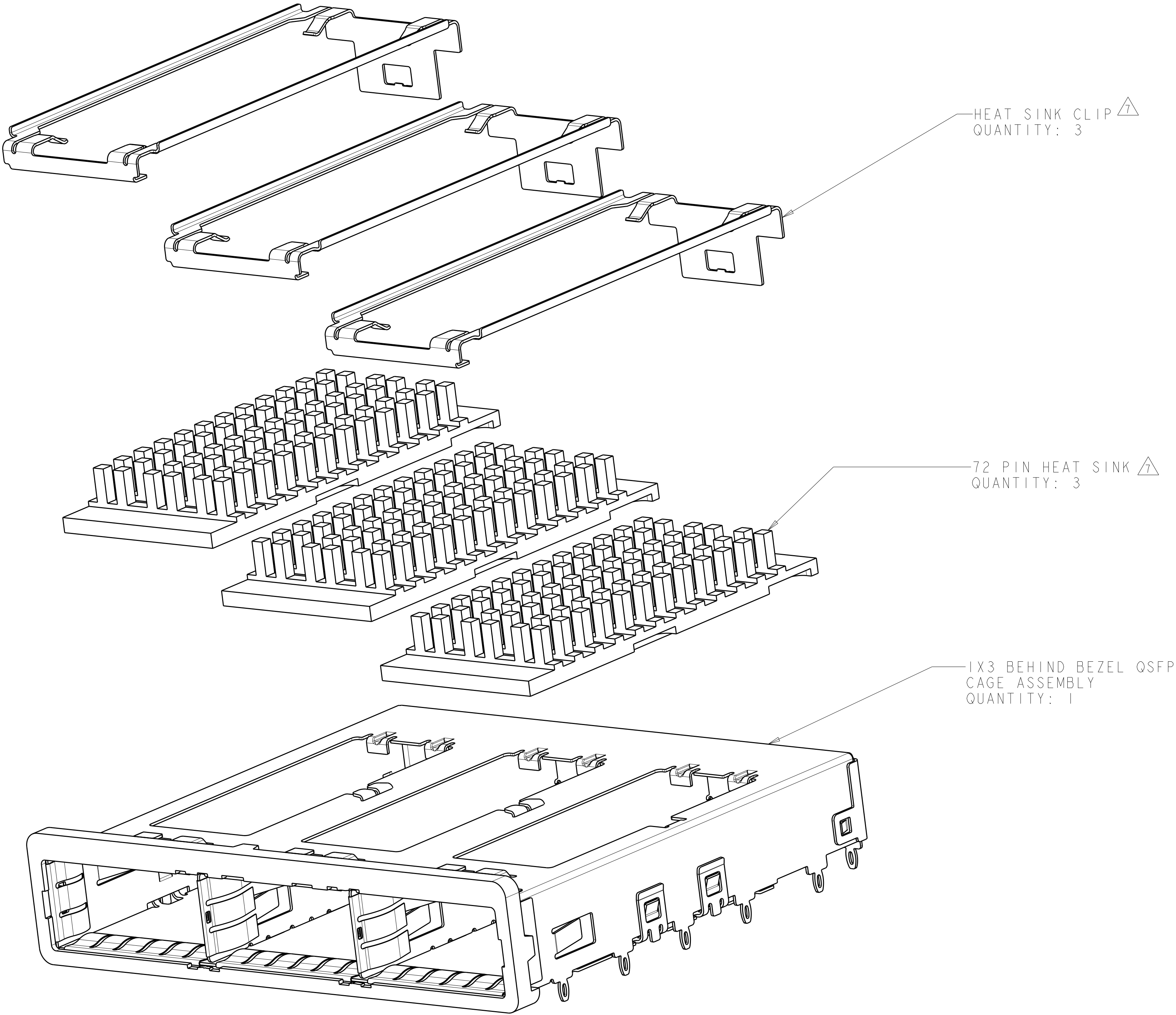


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16.8	CUSTOMERIZED	2007456-4
23.0	NETWORKING	2007456-3
16.0	SAN	2007456-2
13.7	PCI	2007456-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK E. BRIGHT APVD F. BRIGHT	07NOV2007 07NOV2007 07NOV2007	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218	
MATERIAL		FINISH		WEIGHT	
CUSTOMER DRAWING		SCALE 4:1		SHEET 1 OF 5	
				REV F	


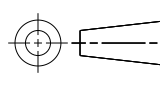
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-		SEE SHEET 1	-	-	-



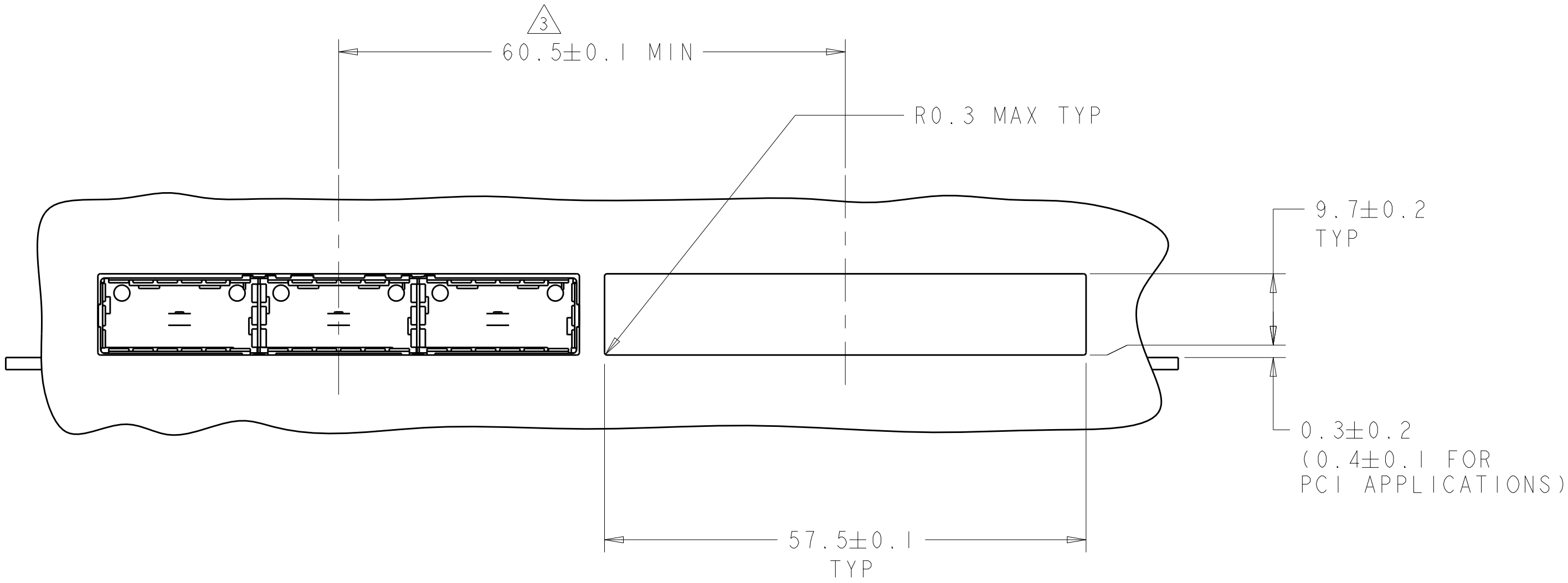
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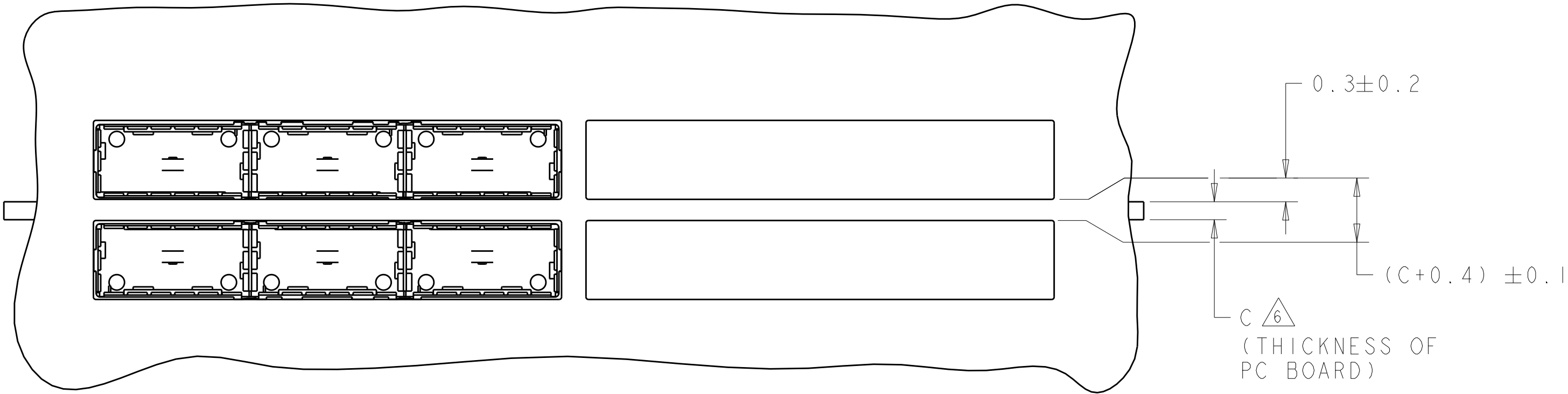
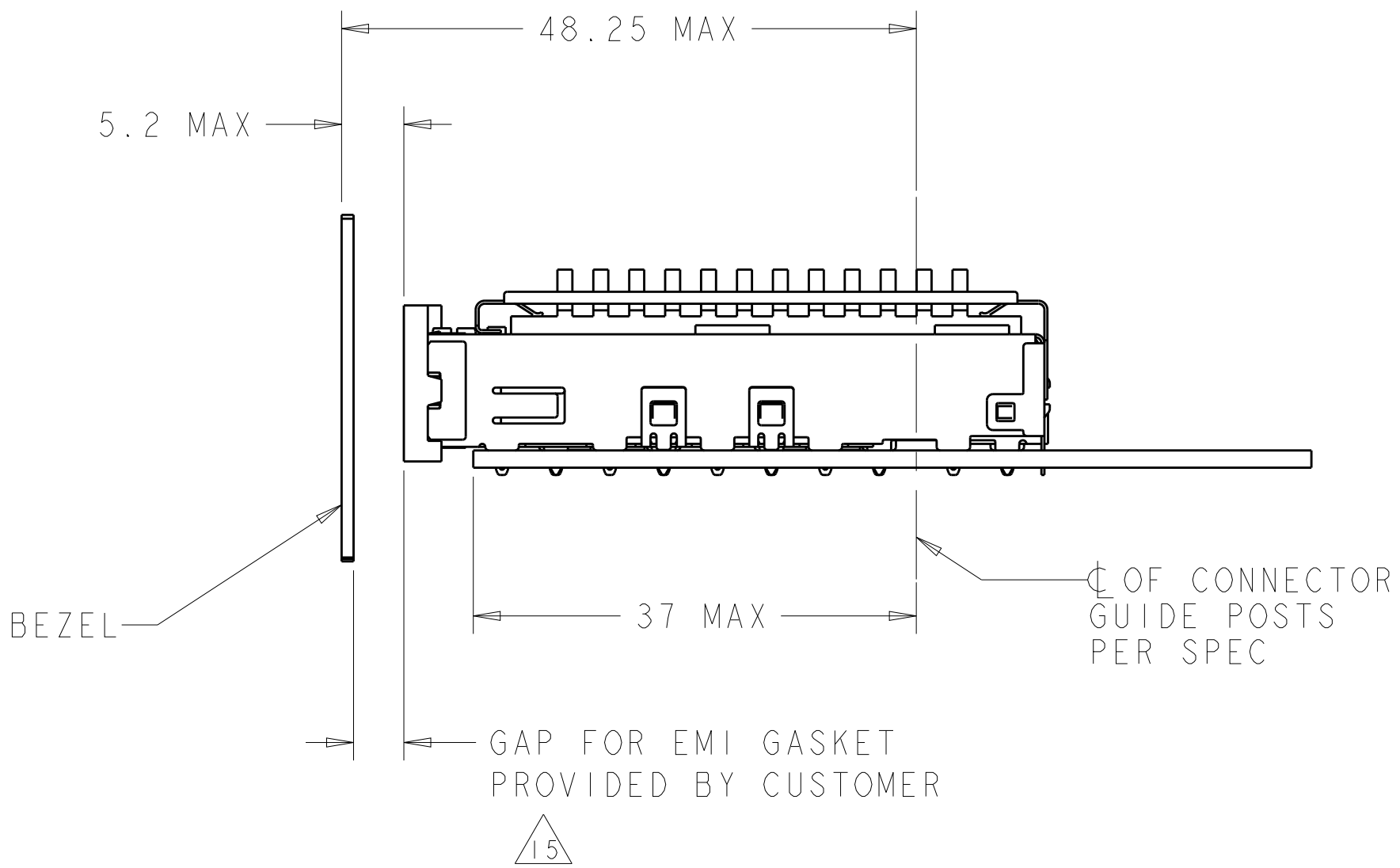
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CONTACT PRODUCT ENGINEERING  
BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE	07NOV2007	 TE Connectivity	
		CHK E. BRIGHT	07NOV2007		
DIMENSIONS:		APVD F. BRIGHT	07NOV2007	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	
mm		PRODUCT SPEC		SIZE	
		108-2286		CAGE CODE	
		APPLICATION SPEC		DRAWING NO	
		114-13218		RESTRICTED TO	
		WEIGHT		A100779C=2007456	
MATERIAL		CUSTOMER DRAWING		SCALE	
-		-		4:1	
				SHEET	
				2	
				OF	
				5	
				REV	
				F	

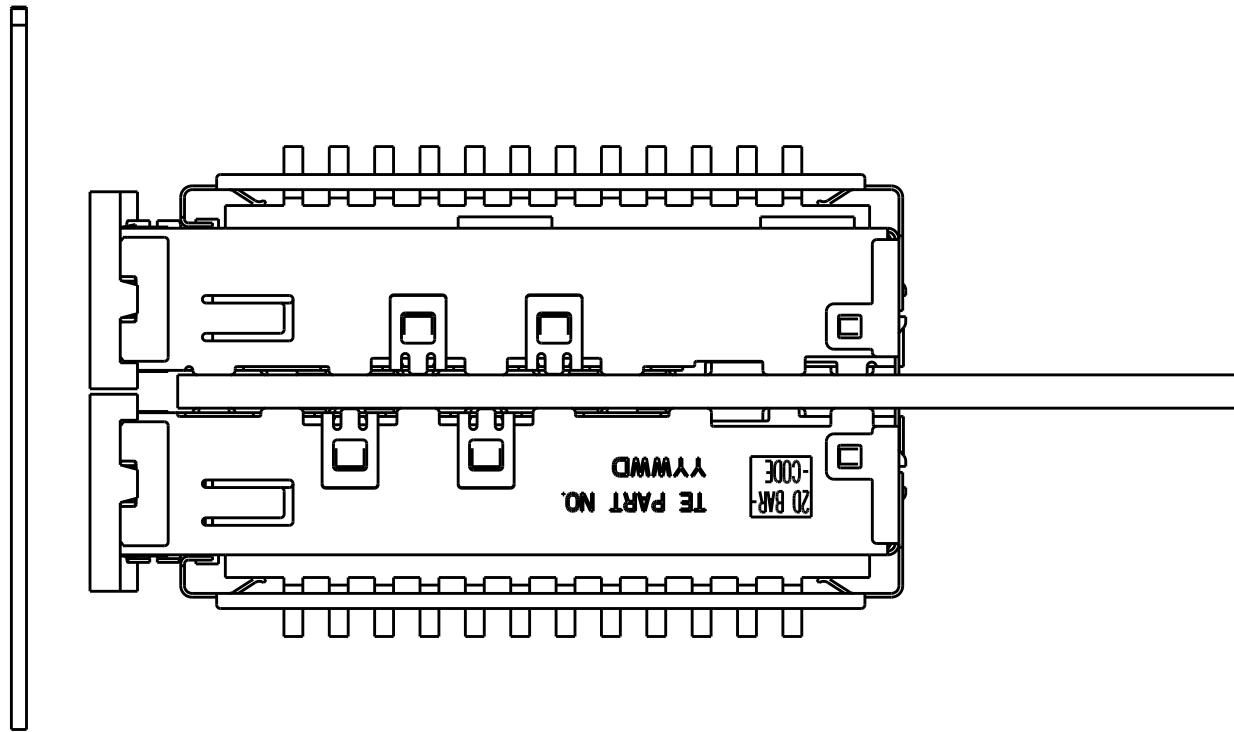
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



ONE SIDED CONFIGURATION  
SCALE 2:1

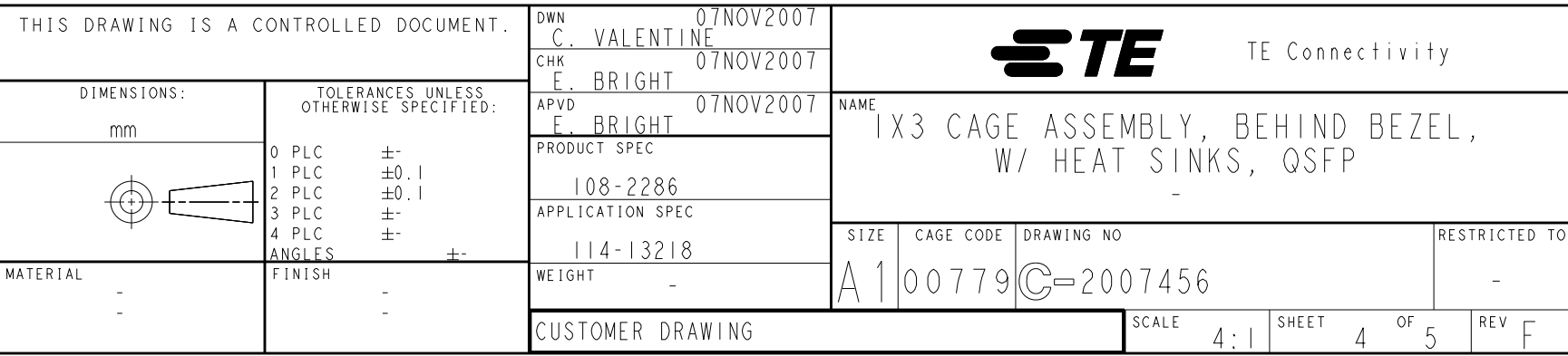


BELLY TO BELLY CONFIGURATION SIMILAR  
TO ONE SIDED EXCEPT WHERE NOTED  
SCALE 2:1



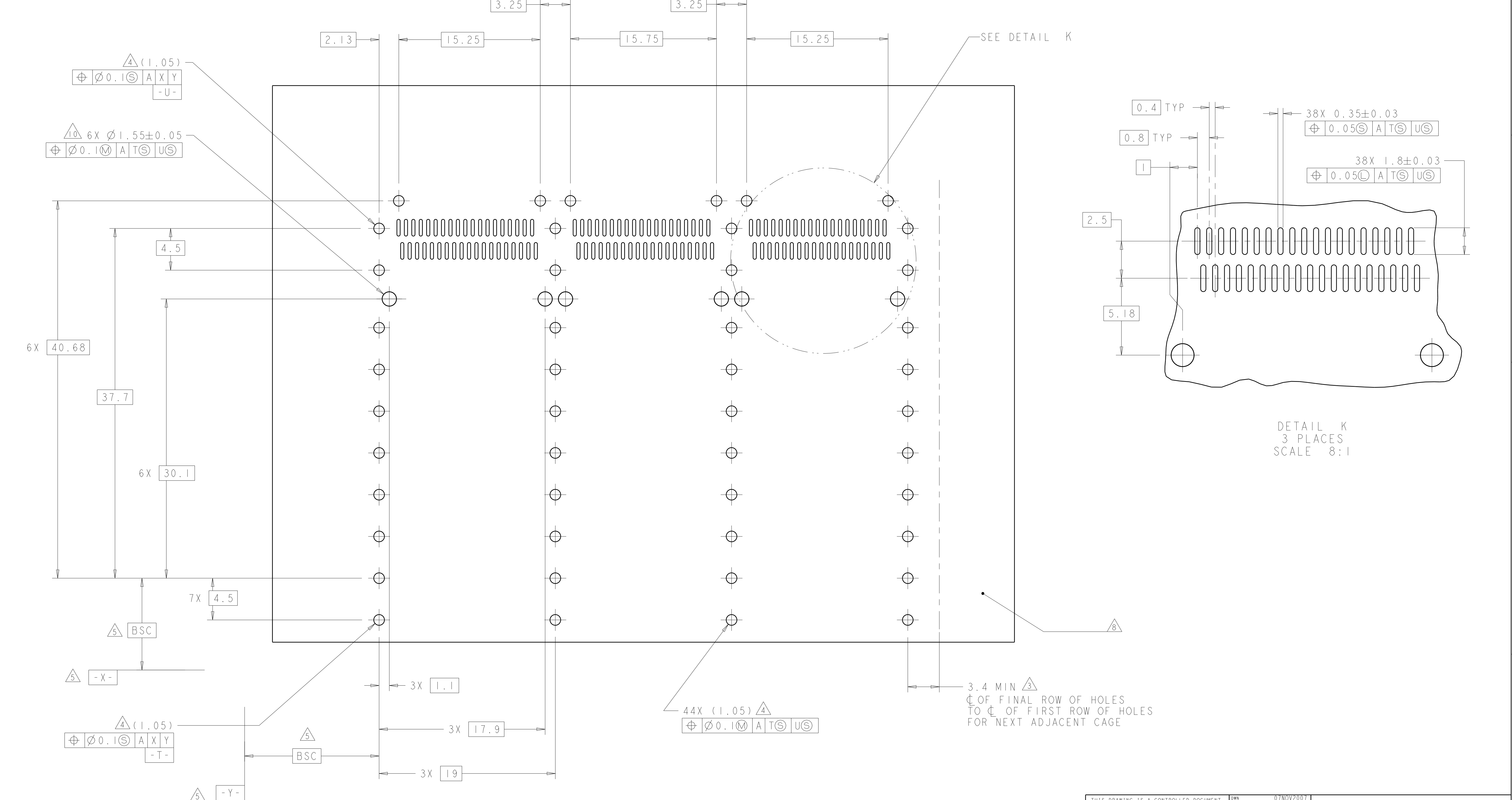
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK E. BRIGHT APVD F. BRIGHT	07NOV2007 07NOV2007 07NOV2007	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±. 4 PLC ±. ANGLES ±. FINISH		1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	
MATERIAL		WEIGHT		SIZE	
-		-		CAGE CODE	
		CUSTOMER DRAWING		DRAWING NO	
				RESTRICTED TO	
				A100779C=2007456	
				SCALE	
				4:1	
				SHEET	
				3	
				OF	
				5	
				REV	
				F	





RECOMMENDED PC BOARD LAYOUT  
SINGLE SIDE MOUNT CONFIGURATION  
SCALE 5:1

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



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RECOMMENDED PC BOARD LAYOUT  
BELLY TO BELLY CONFIGURATION  
SEE SHEET 4 FOR COMPONENT  
AND TRACE KEEP-OUTS  
SCALE 5:1

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		CHK E. BRIGHT	07NOV2007		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP	RESTRICTED TO
		0 PLC ±. 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±. 4 PLC ±. ANGLES ±.			
MATERIAL -	FINISH -	PRODUCT SPEC 108-2286		SIZE CAGE CODE DRAWING NO A100779C=2007456	-
		APPLICATION SPEC 114-13218			
		WEIGHT -		SCALE 4:1 SHEET 5 OF 5 REV F	
		CUSTOMER DRAWING			

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