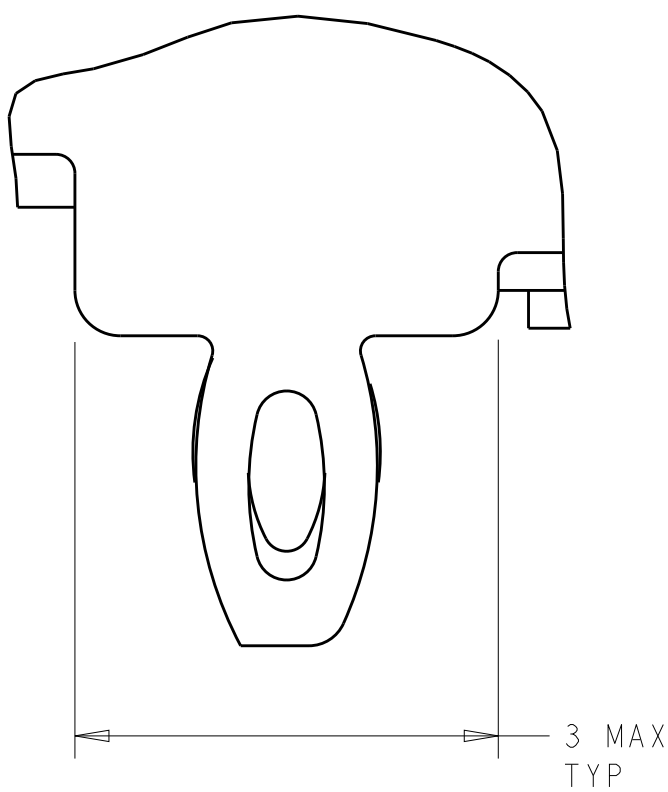
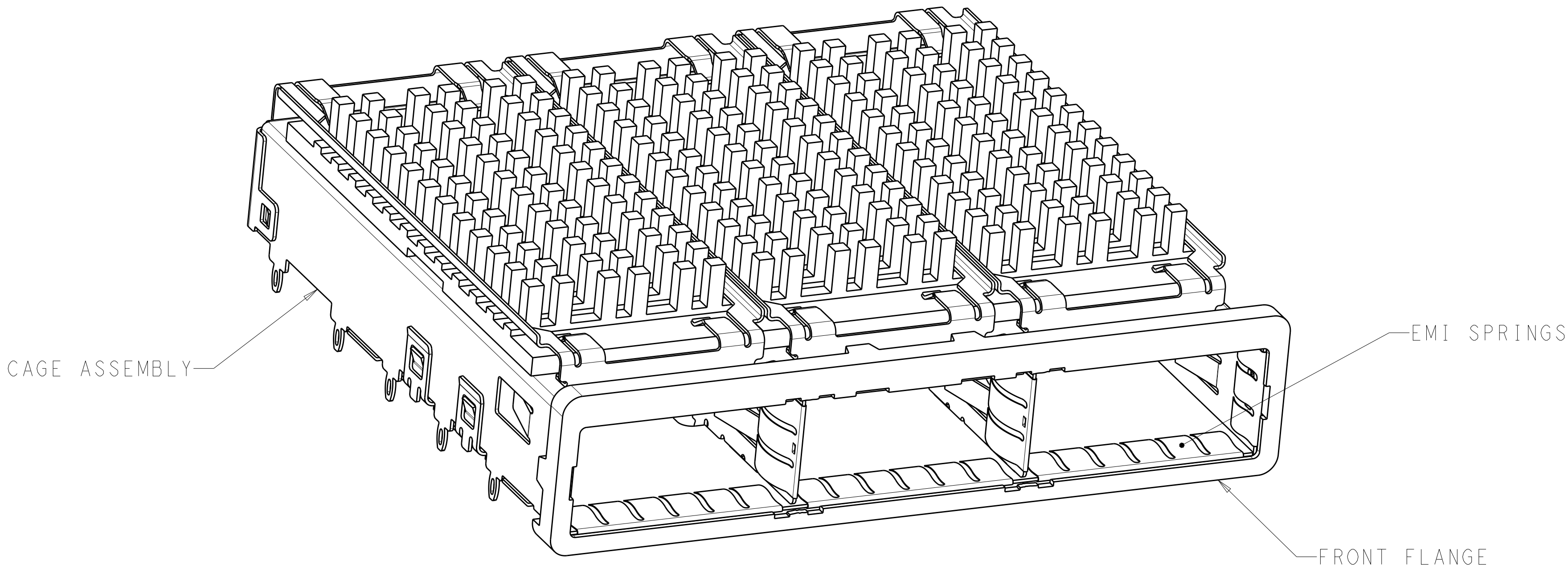
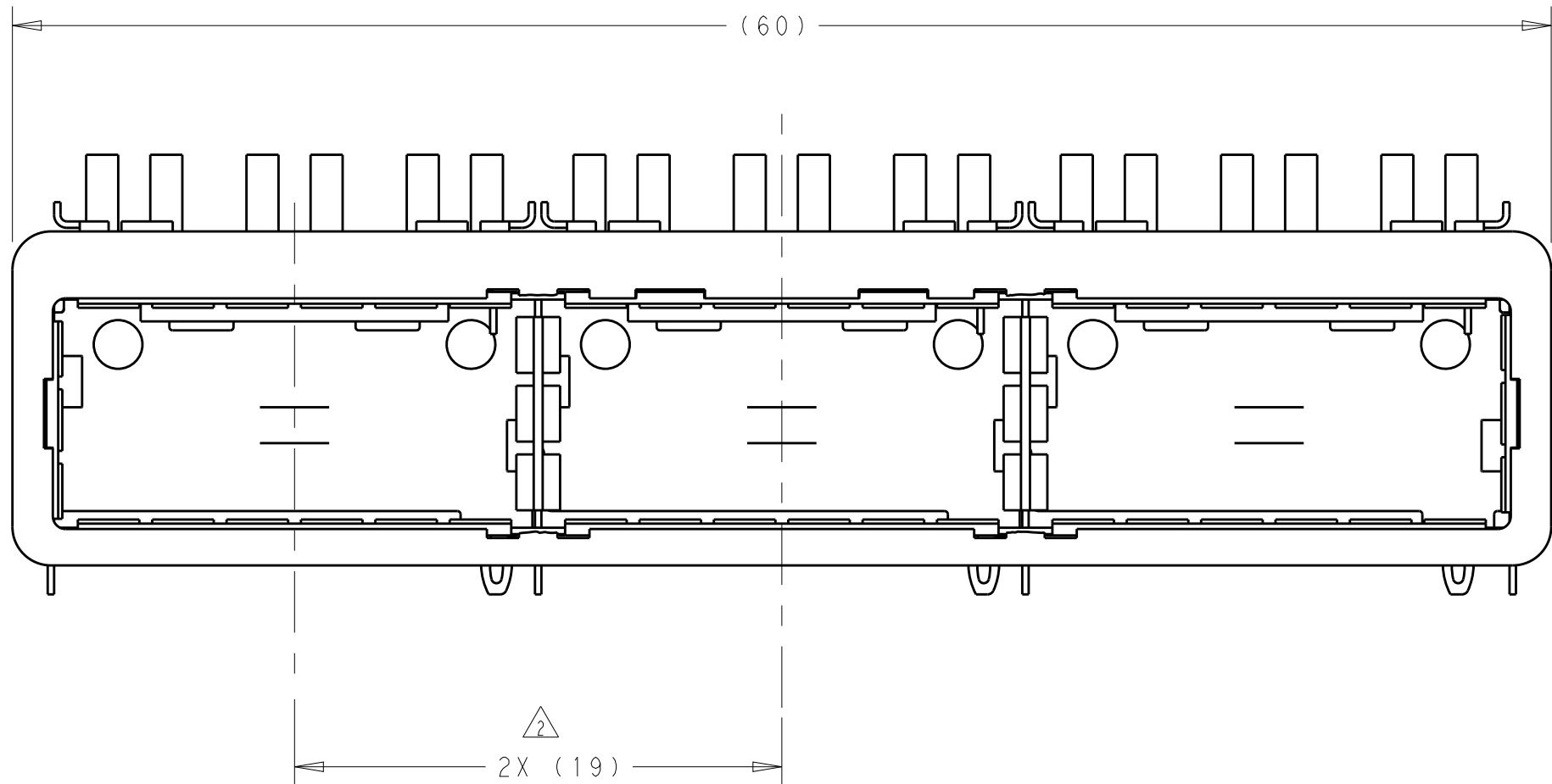
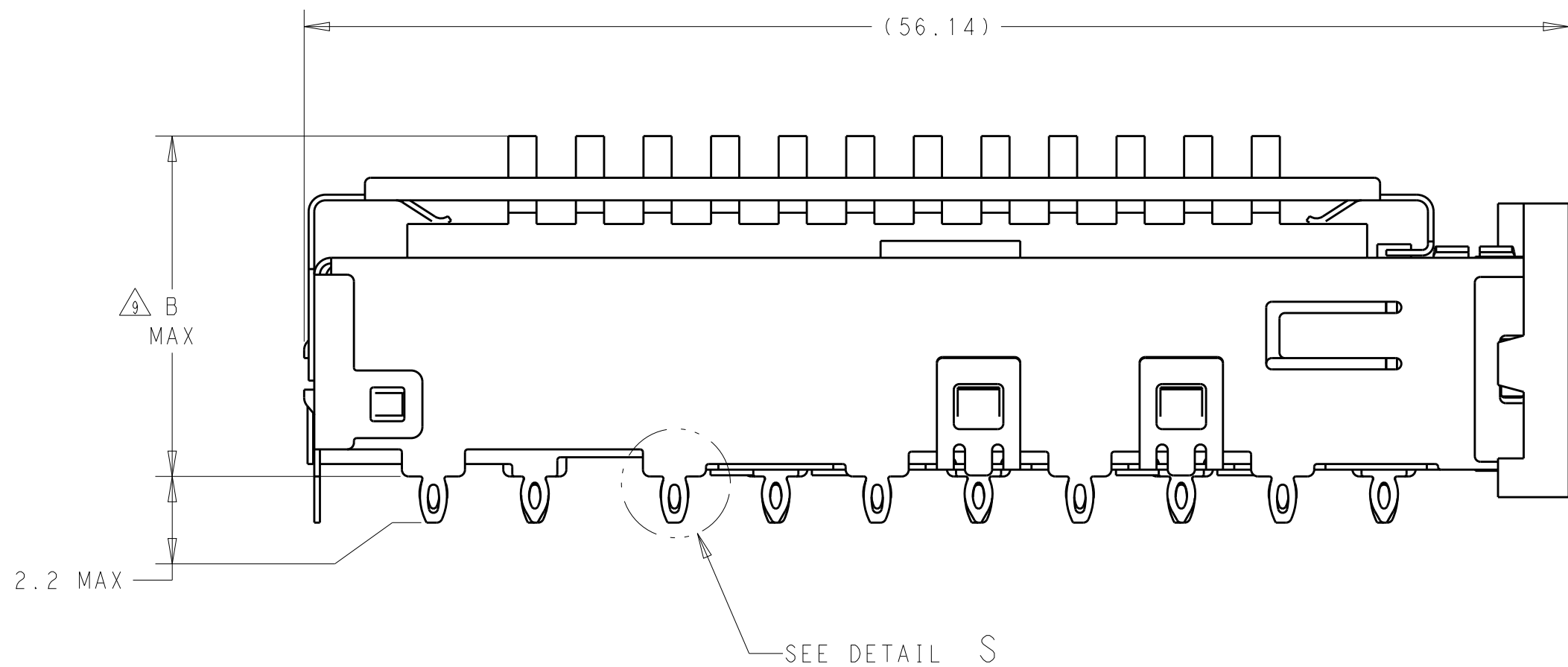




DETAIL S 
SCALE 20:1



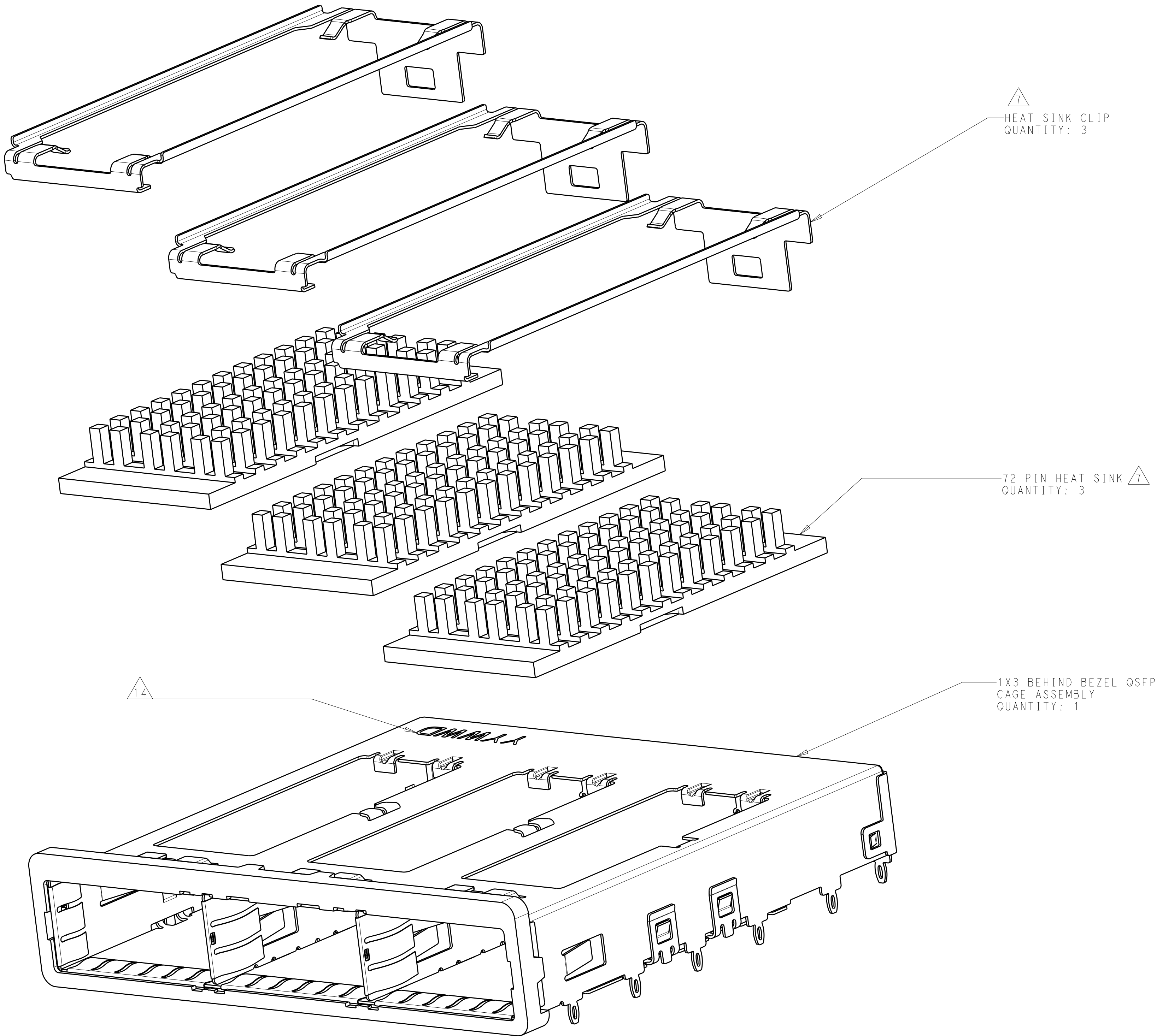
-  MATERIALS:
CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK
EMI SPRINGS: COPPER ALLOY
FRONT FLANGE: ZINC ALLOY
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
-  PITCH BETWEEN PORTS OF ONE 1X3 CAGE ASSEMBLY.
-  SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
-  REFERENCE APPLICATION SPEC 114- - - - - 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 A IS TOP SURFACE OF PC BOARD.
-  DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
-  UNPLATED THRU HOLE.
-  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.
-  DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.
-  REFERENCE APP SPEC 114- - - - - 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: NICKEL.

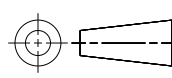
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	RELEASED PER ECO-13-000076	16JAN2013	CJV	EDB
				</			

23.0	NETWORKING	2173239-3
16.0	SAN	2173239-2
13.7	PCI	2173239-1
B	HEAT SINK PROFILE	PART NUMBER

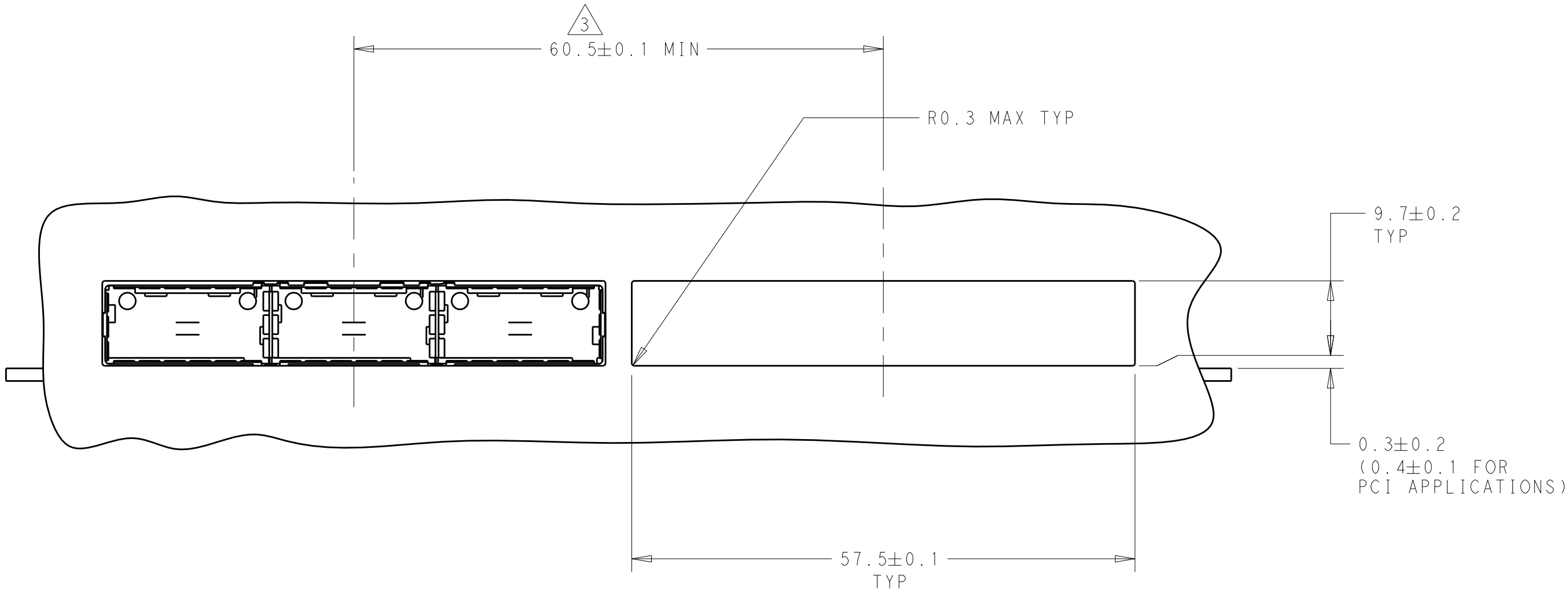
THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.3M-2009			DWN J.V.D.HEIJDEN 2AUG2011		 TE Connectivity	
DIMENSIONS:			CHK R.VERBEET 12AUG2011			
TOLERANCES UNLESS OTHERWISE SPECIFIED:			APVD T.D.ROER 15AUG2011		NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zQSFP+	
mm			PRODUCT SPEC		SIZE	
			108- - - - -		CAGE CODE	
0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001			APPLICATION SPEC		DRAWING NO	
ANGLES ±°			114- - - - -		A100779	
FINISH			WEIGHT		C=2173239	
			CUSTOMER DRAWING		SCALE 1:1	
					SHEET 1 OF 5	
					REV A	

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

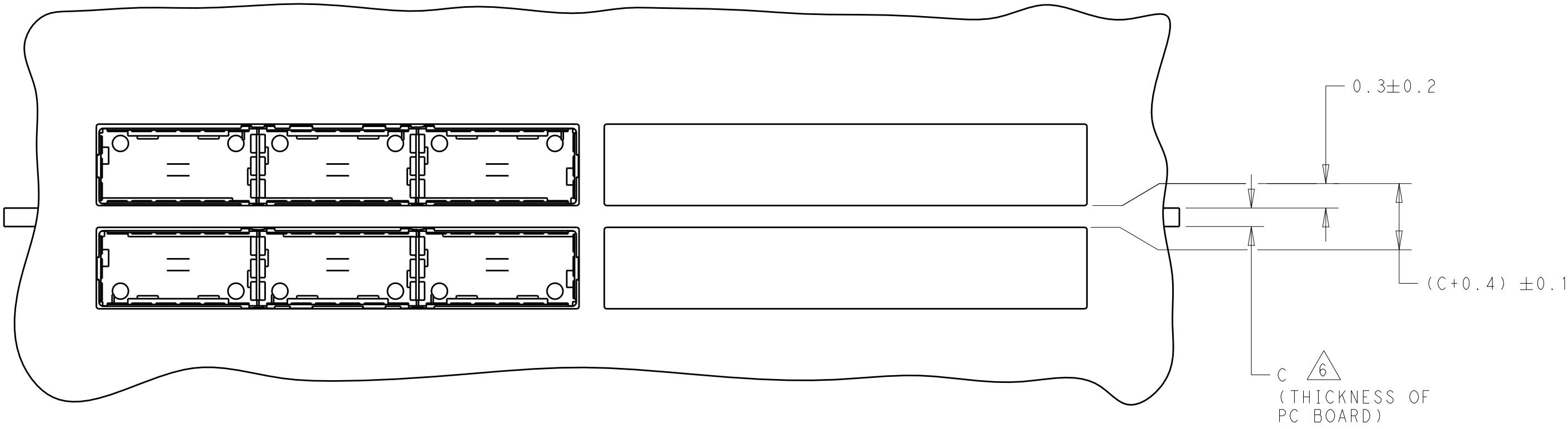
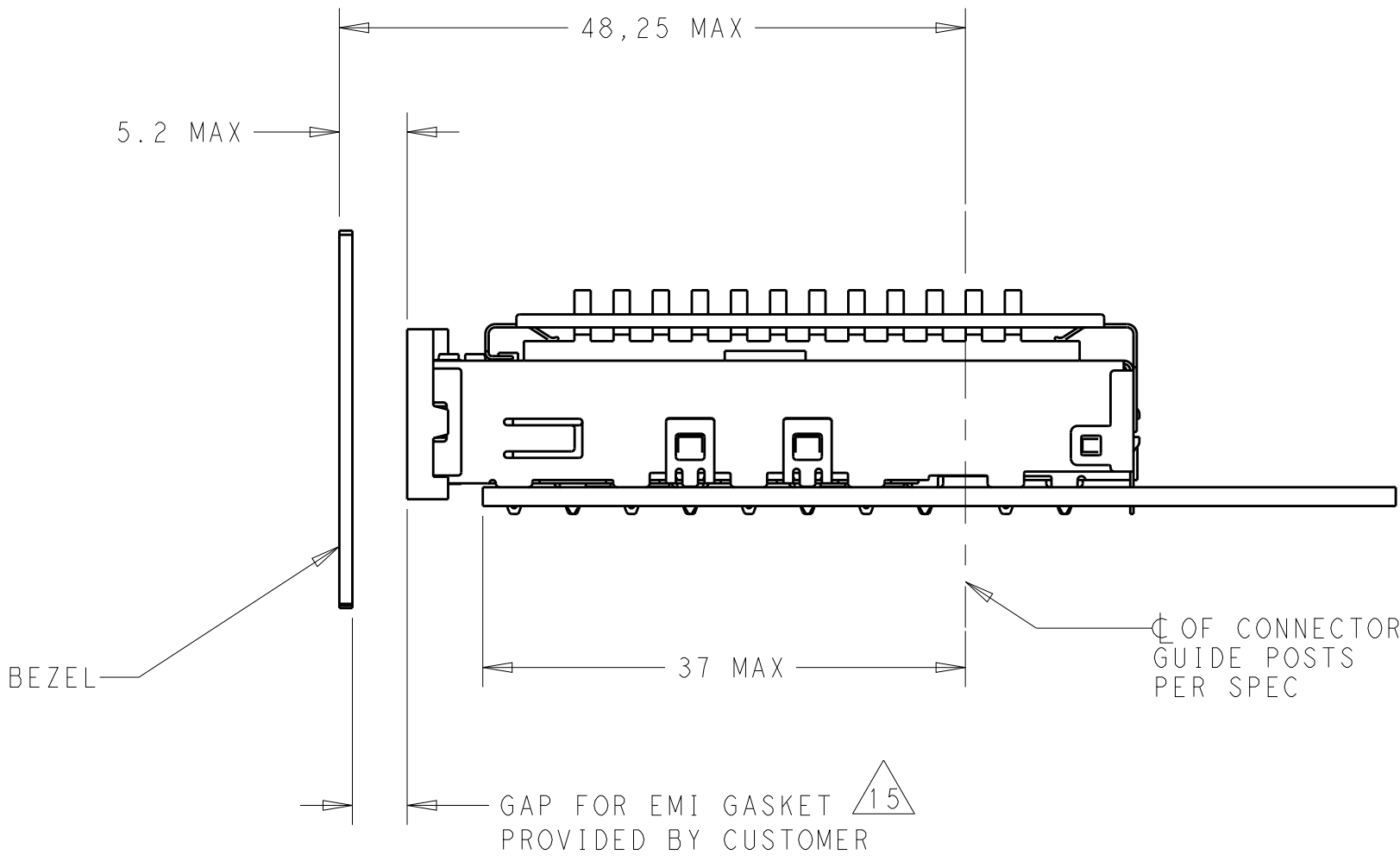


THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER: ASME Y14.5M-2009		DWN J.V.D.HEIJDEN	12AUG2011	 TE Connectivity	
		CHK R.VERBEEET	12AUG2011		
DIMENSIONS:		APVD T.D.ROER	15AUG2011	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zQSFP+	
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE A100779	
		0 PLC	±0.1	DRAWING NO C=2173239	
		1 PLC	±0.1	RESTRICTED TO -	
		2 PLC	±0.1		
		3 PLC	±0.013		
MATERIAL		4 PLC	±0.0001	SCALE 1:1	
		ANGLES	±0.0001	SHEET 2 OF 5	
		FINISH	114	REV A	
		CUSTOMER DRAWING			

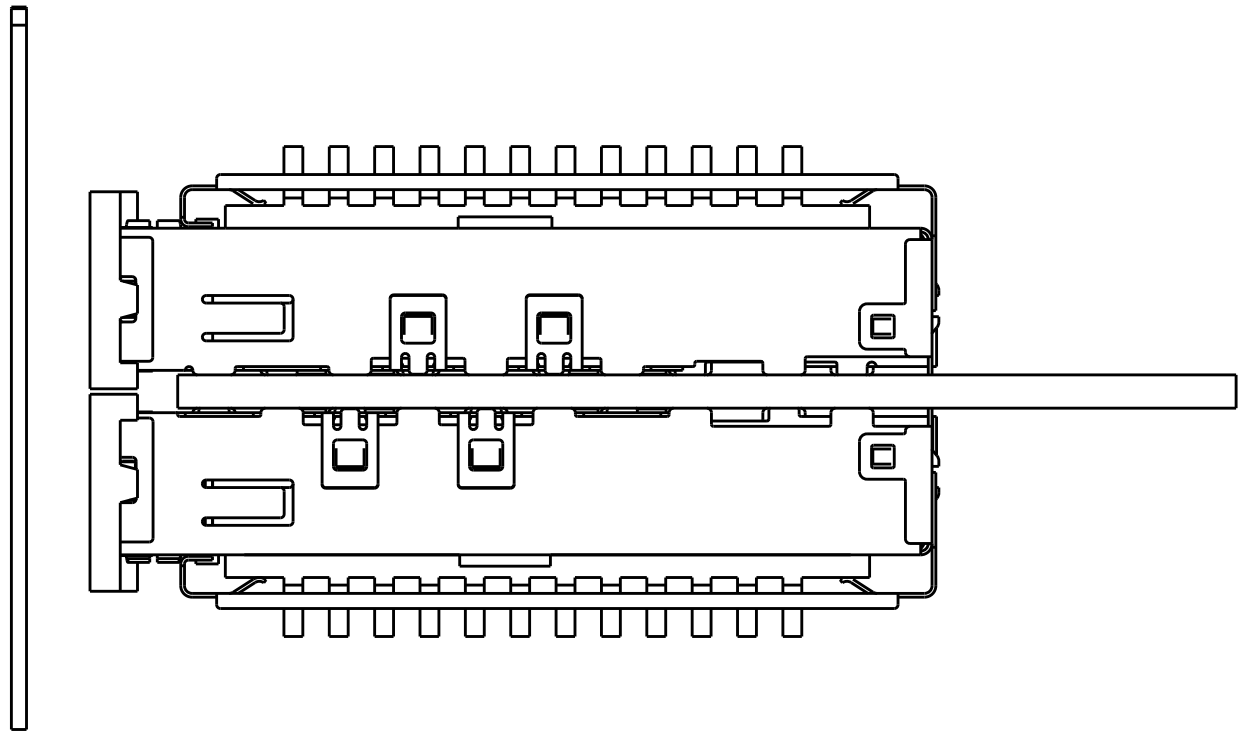
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



ONE SIDED CONFIGURATION
SCALE 2:1

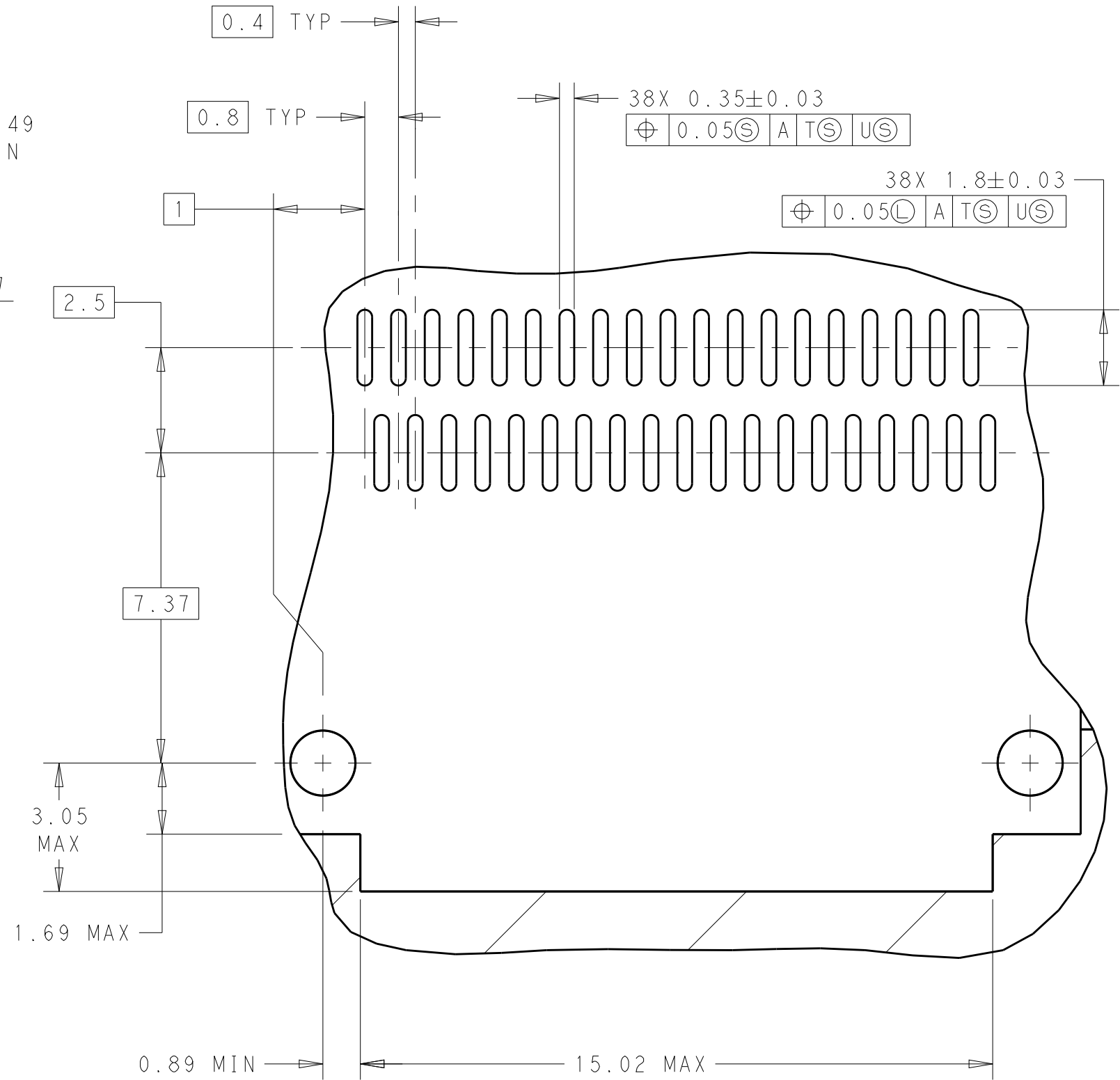
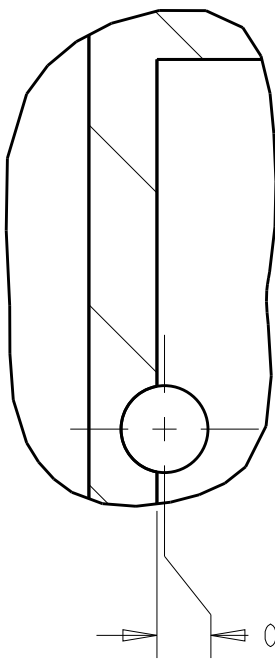
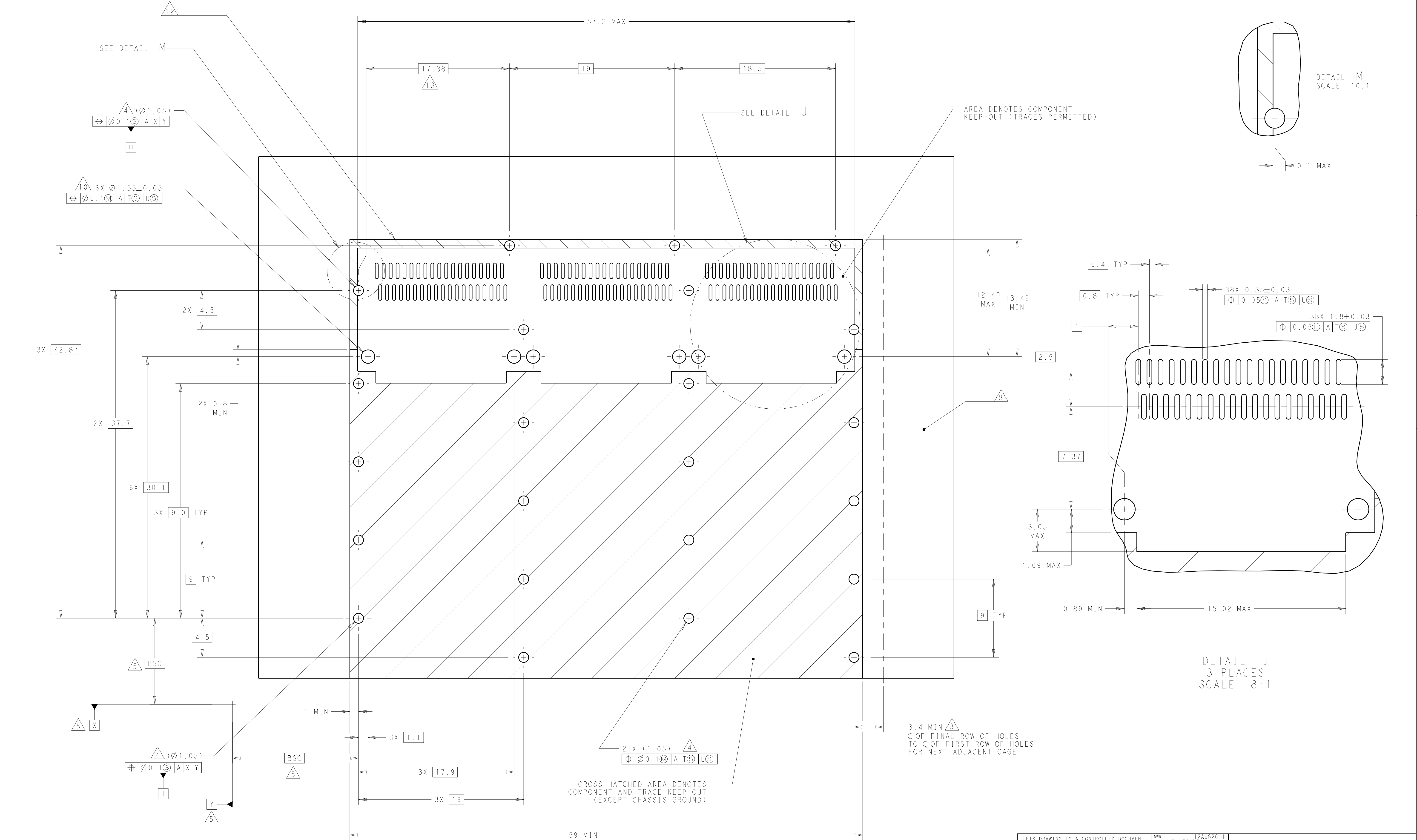


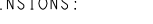
BELLY TO BELLY CONFIGURATION SIMILAR
TO ONE SIDED EXCEPT WHERE NOTED
SCALE 2:1

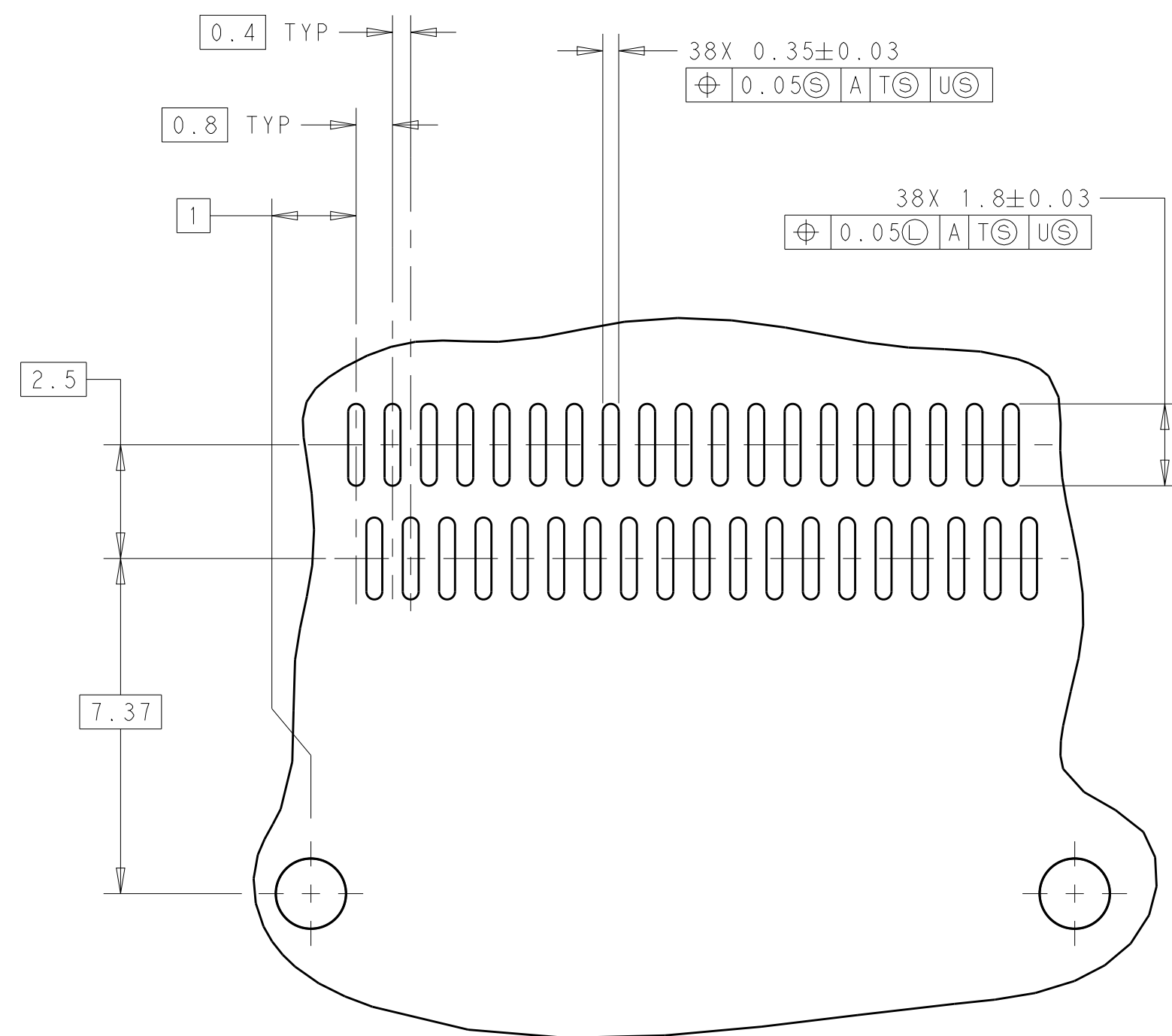


THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.				DWN J.V.D. HEIJDEN 12AUG2011	TE Connectivity			
TOLERANCES UNLESS OTHERWISE SPECIFIED:				CHK R. VERBEET 12AUG2011				
DIMENSIONS:				APVD T.D. ROER 15AUG2011	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zQSFP+			
mm				PRODUCT SPEC	SIZE			
0 PLC ±0.1				108	CAGE CODE			
1 PLC ±0.1				APPLICATION SPEC	DRAWING NO			
2 PLC ±0.1				114	A100779			
3 PLC ±0.013				WEIGHT	C=2173239			
4 PLC ±0.0001				CUSTOMER DRAWING	SCALE			
ANGLES FINISH				4:1	SHEET			
				3	OF			
				5	REV			
				A				

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



THIS DRAWING IS A CONTROLLED DOCUMENT DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009		DWN J.V.D. HEIJEN 12AUG2011	 TE Connectivity				
		CHK R. VERBEET 12AUG2011					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zQSF+ -			
		0. PLC ±0.1 1. PLC ±0.1 2. PLC ±0.013 4. PLC ±0.0001 ANGLES ± FINISH					
MATERIAL		PRODUCT SPEC 108-		SIZE A100779	CAGE CODE C=2173239	DRAWING NO -	RESTRICTED TO -
		APPLICATION SPEC 114- -		WEIGHT -			
CUSTOMER DRAWING				SCALE 1:1	SHEET 4	OF 5	REV A



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

4805 (3/11)