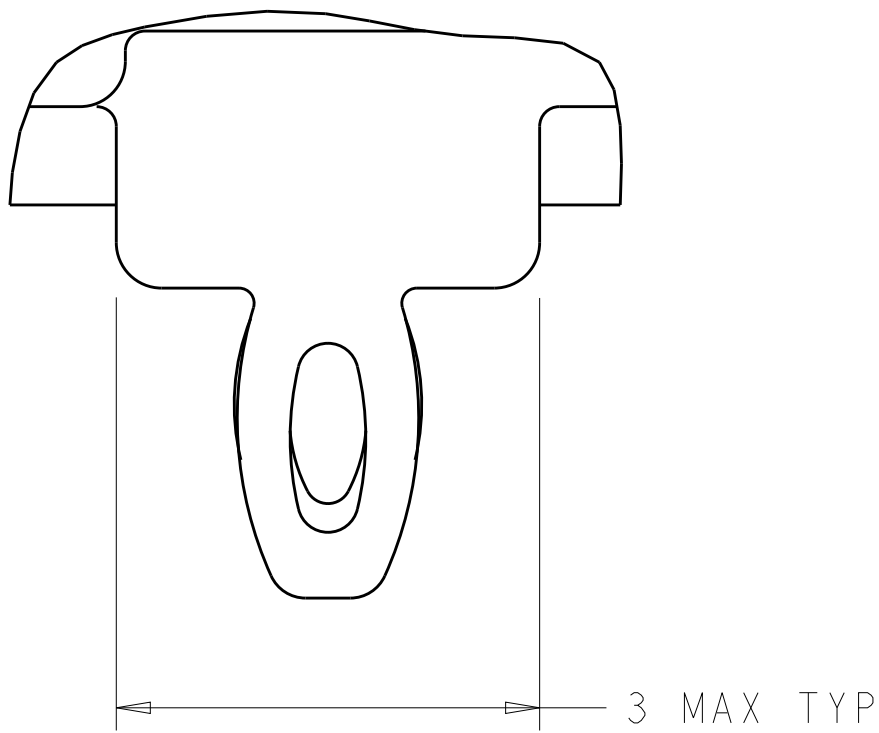


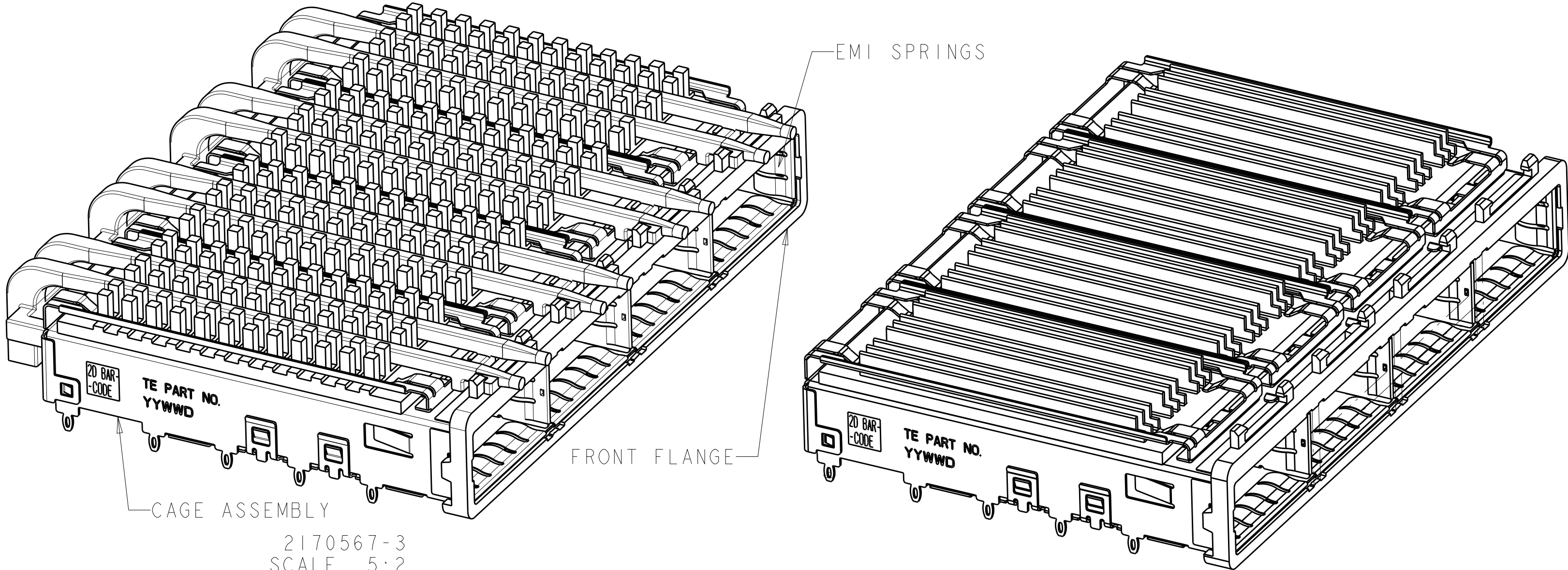
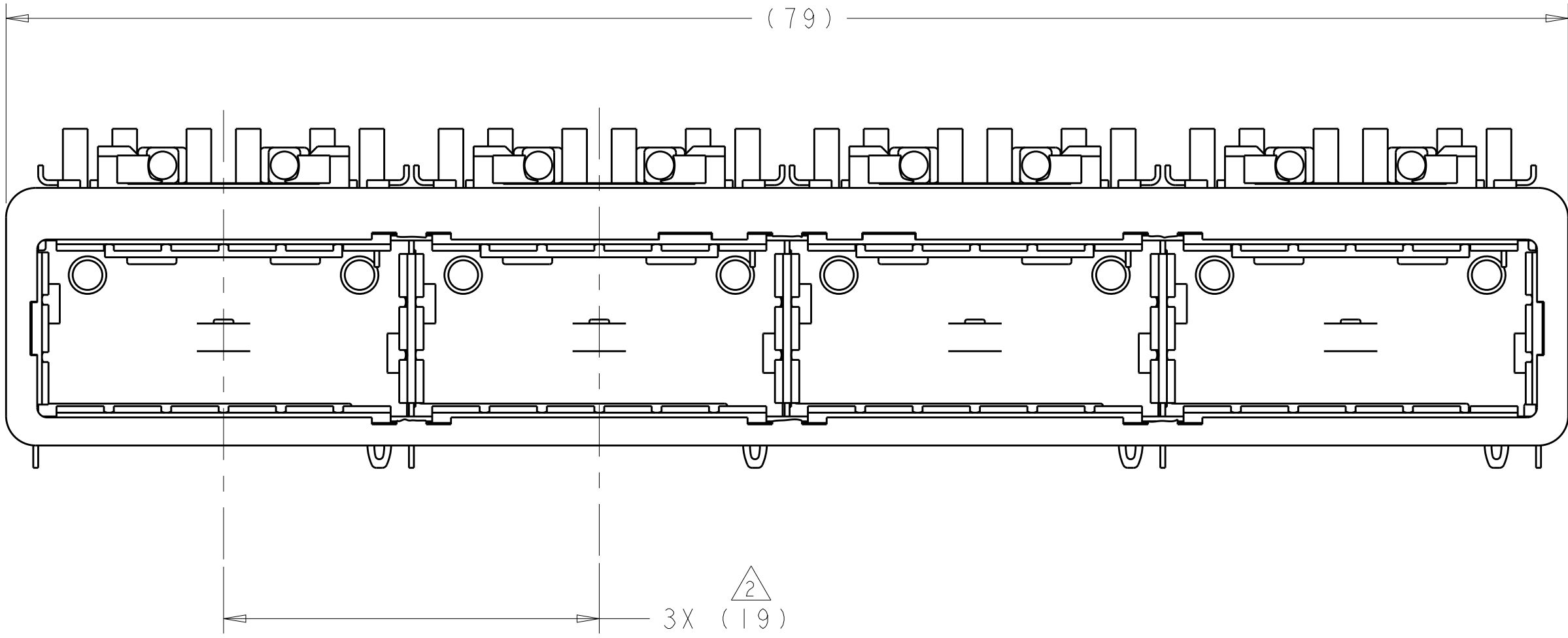
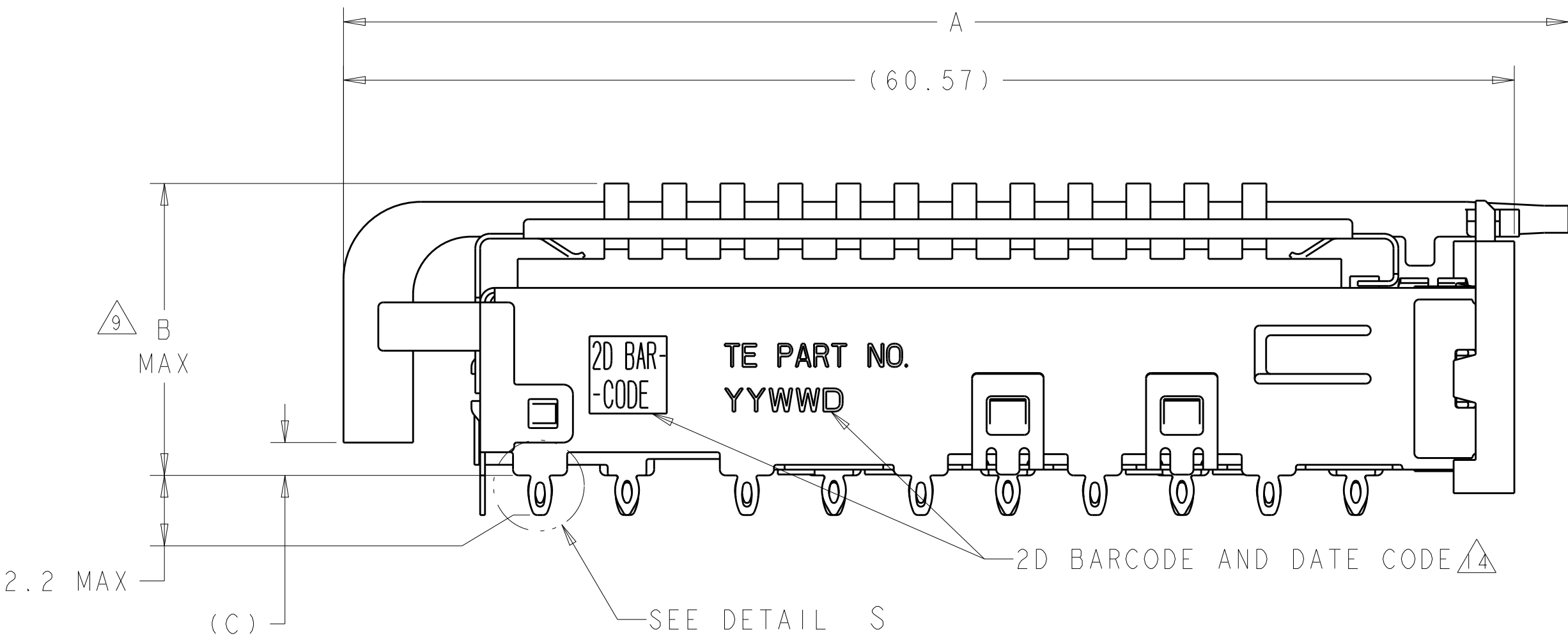
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LOC	DIST	REVISIONS						
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		A		ACTIVE THE DRAWING	03JAN2014	ZJ	JY	
		B		REVISE PER ECO-15-000289	8JAN2015	RG	MC	
		B1		ADD 2170567-6 AND 2170567-7	3MAY2015	RG	SH	



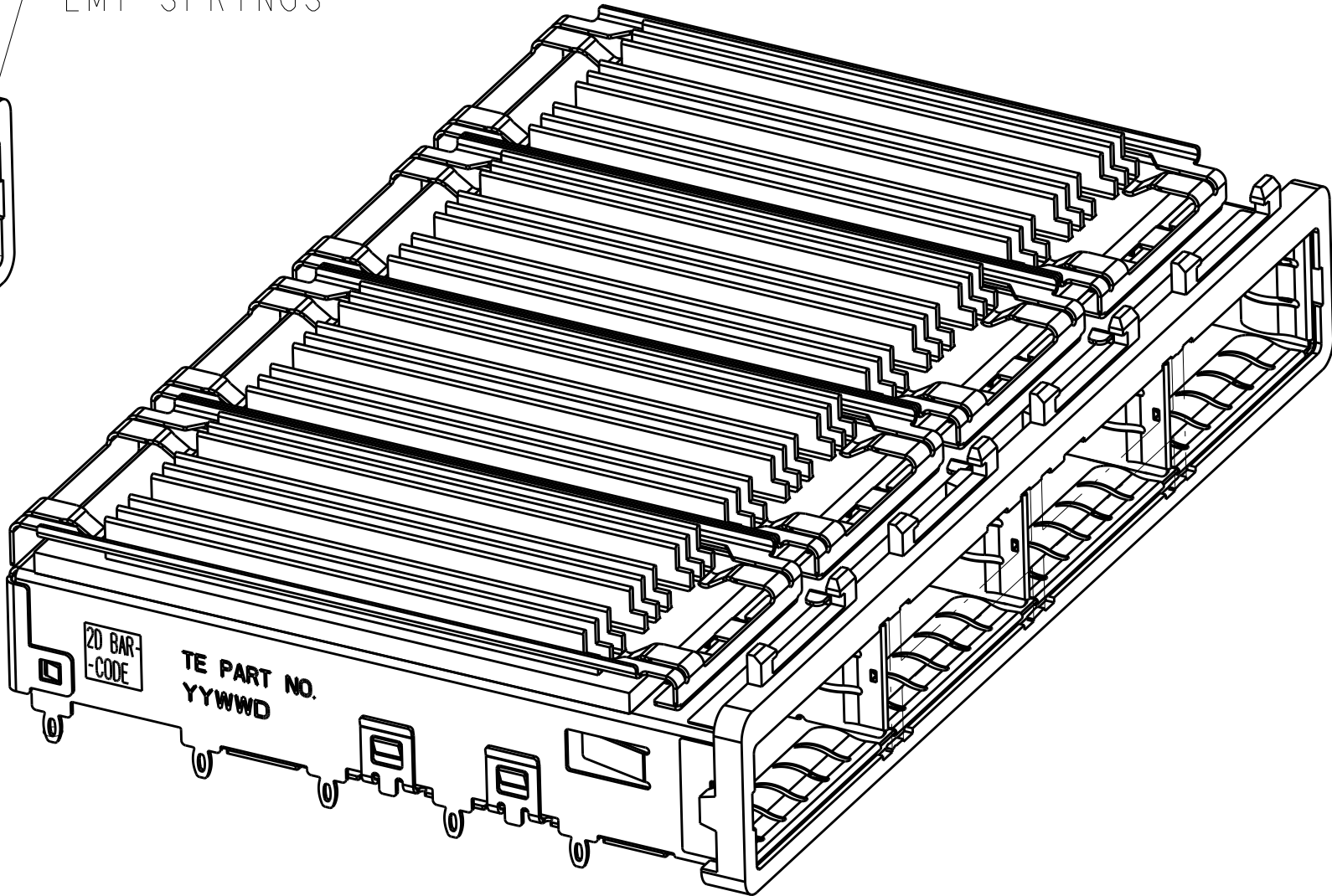
DETAIL S
SCALE 20:1

- 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
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
- 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 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, LIGHT PIPES, 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 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 (YYWW) MARKED ON SIDE OF CAGE.

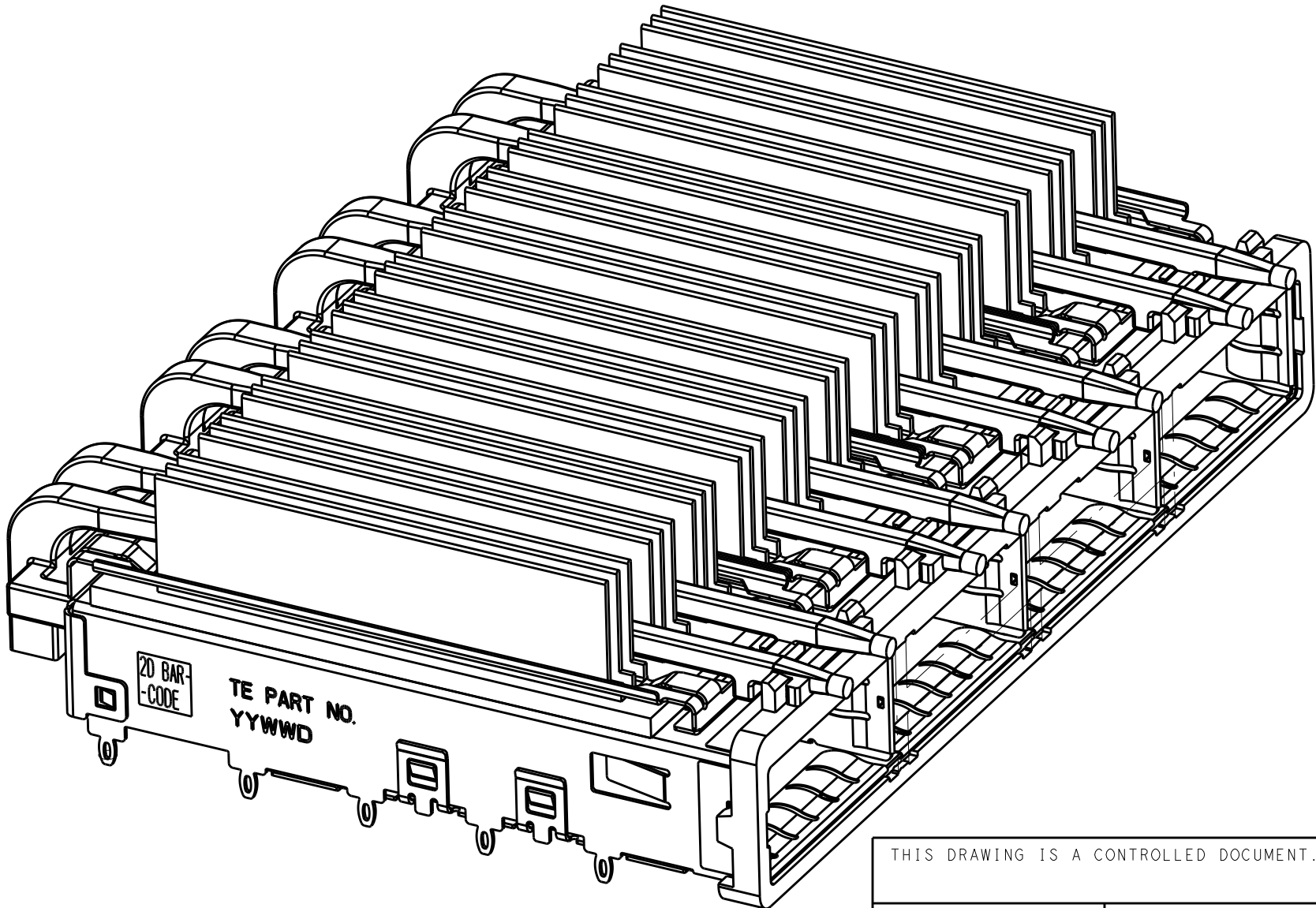
- 15 REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16 EMI SPRING FINISH: 2µm MINIMUM TIN
FRONT FLANGE FINISH: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL
OVER 5.08µm MINIMUM COPPER.
HEAT SINK FINISH: BLACK ANODIZE PROCESS



2170567-3
SCALE 5:2



2170567-6
SCALE 5:2

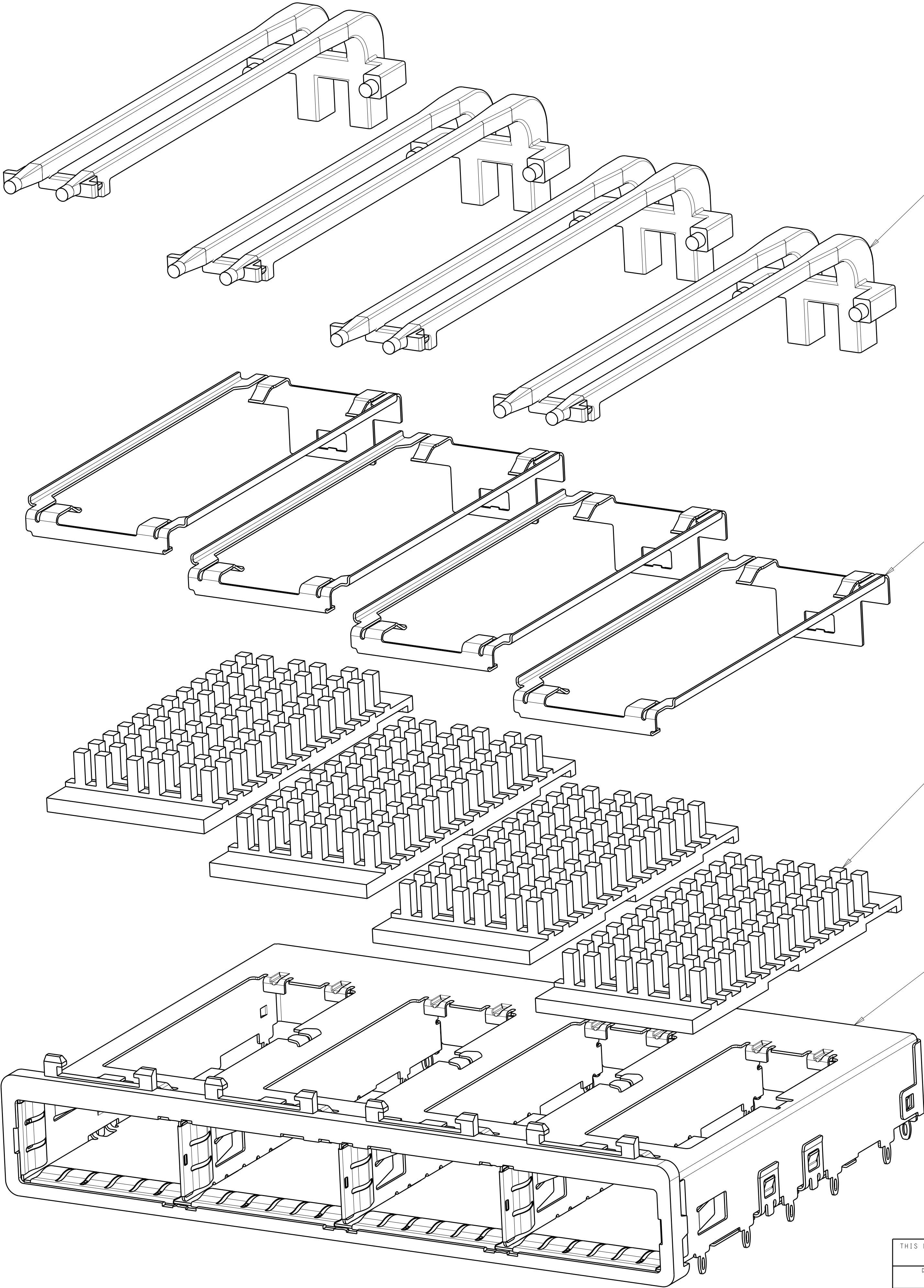


2170567-7
SCALE 5:2

62.57	21.0	CUSTOMIZED	2170567-7
N/A	15.0	CUSTOMIZED	2170567-6
62.15	16.8	CUSTOMIZED	2170567-5
64.07	23.0	NETWORKING	2170567-4
64.07	16.0	SAN	2170567-3
64.07	16.8	CUSTOMIZED	2170567-2
64.07	13.7	PCI	2170567-1
A	B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ZJ 01JUL2013	 TE Connectivity			
DIMENSIONS:		CHK JASON 01JUL2013				
mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH	APVD AC 01JUL2013	NAME 1X4 CAGE ASSEMBLY, W/ LIGHT PIPES AND HEAT SINKS, QSFP			
		PRODUCT SPEC 108-2286	SIZE CAGE CODE DRAWING NO			
		APPLICATION SPEC 114-13218	RESTRICTED TO			
		WEIGHT	A1 - C=2170567			
MATERIAL 	FINISH 	Customer Drawing		SCALE 4:1	SHEET 1 of 5	REV B1

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



DOUBLE LIGHT PIPES 
QUANTITY: 4

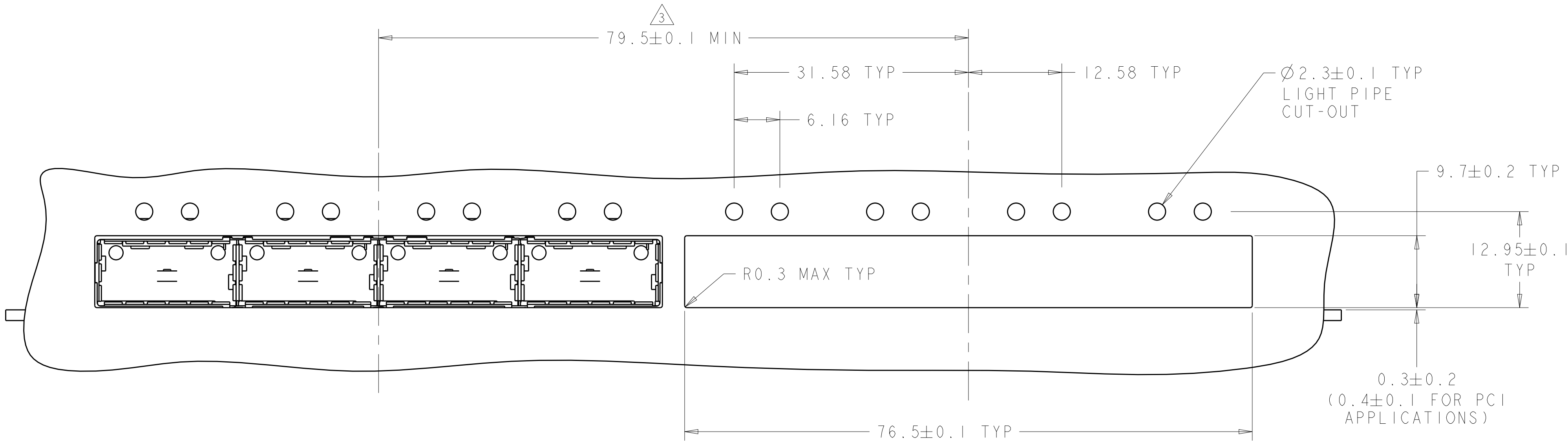
HEAT SINK CLIPS 
QUANTITY: 4

72 PIN HEAT SINKS 
QUANTITY: 4

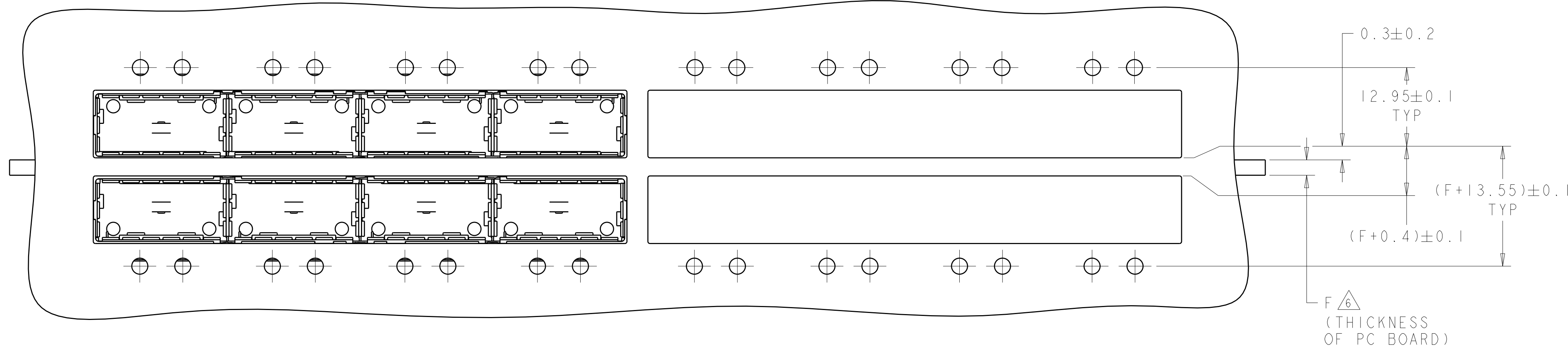
1X4 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN	01JUN2013	 TE Connectivity	
		CHK	01JUL2013		
		NAME	JASON	1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
		APVD	AC		
		PRODUCT SPEC	108-2286		
		APPLICATION SPEC	114-13218		
		WEIGHT	-		
		Customer Drawing			
		SCALE	4:1		
		SHEET	2		
		OF	5		
		REV	B		

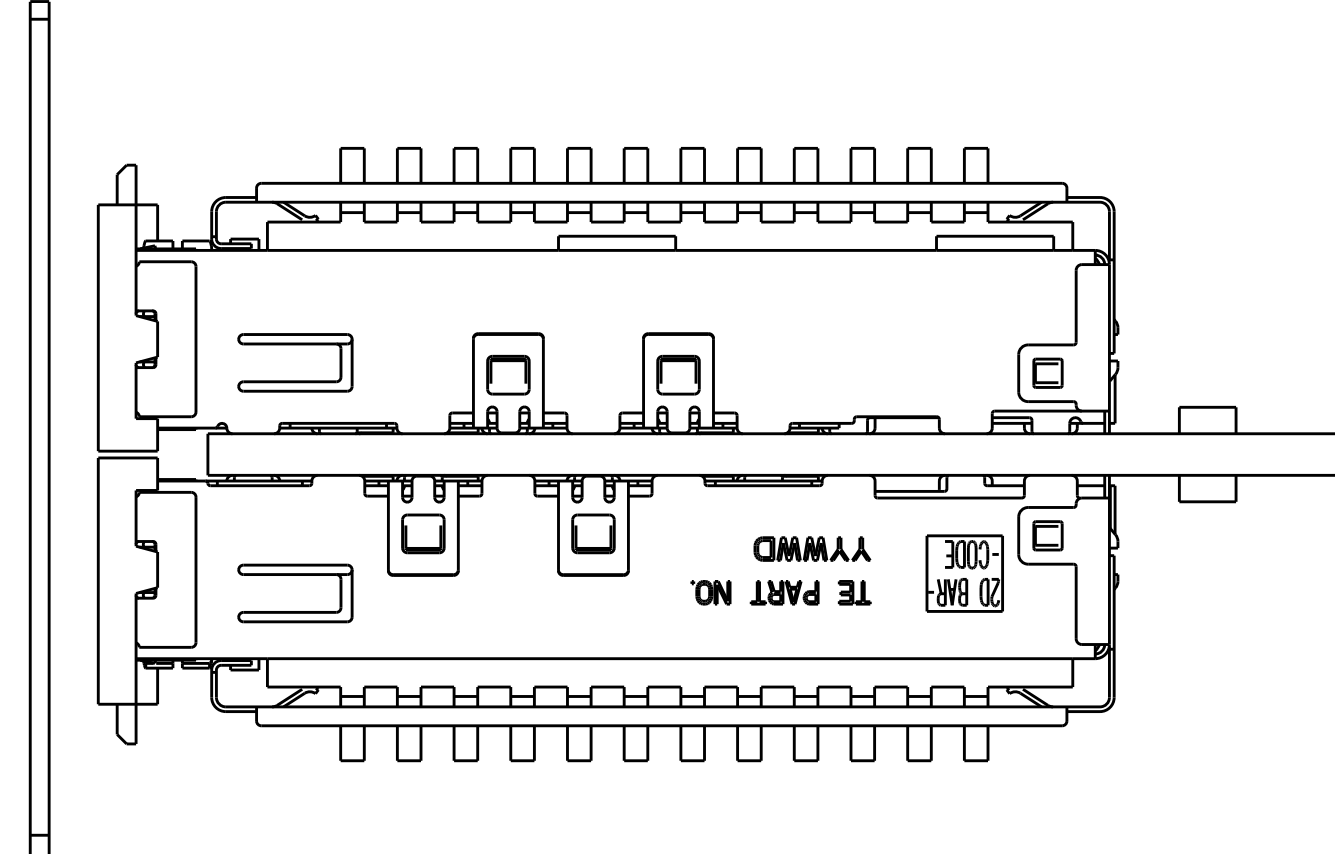
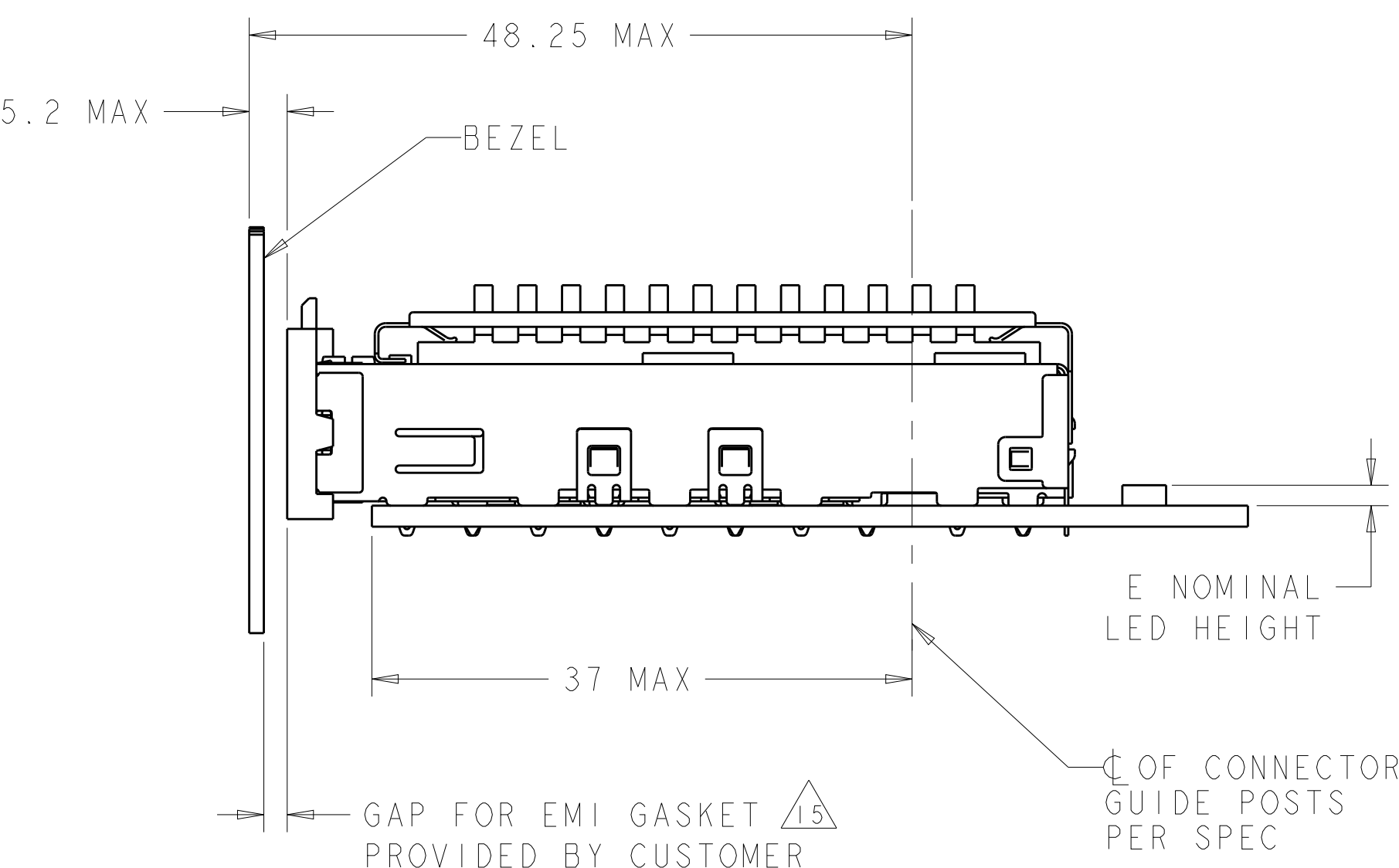
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



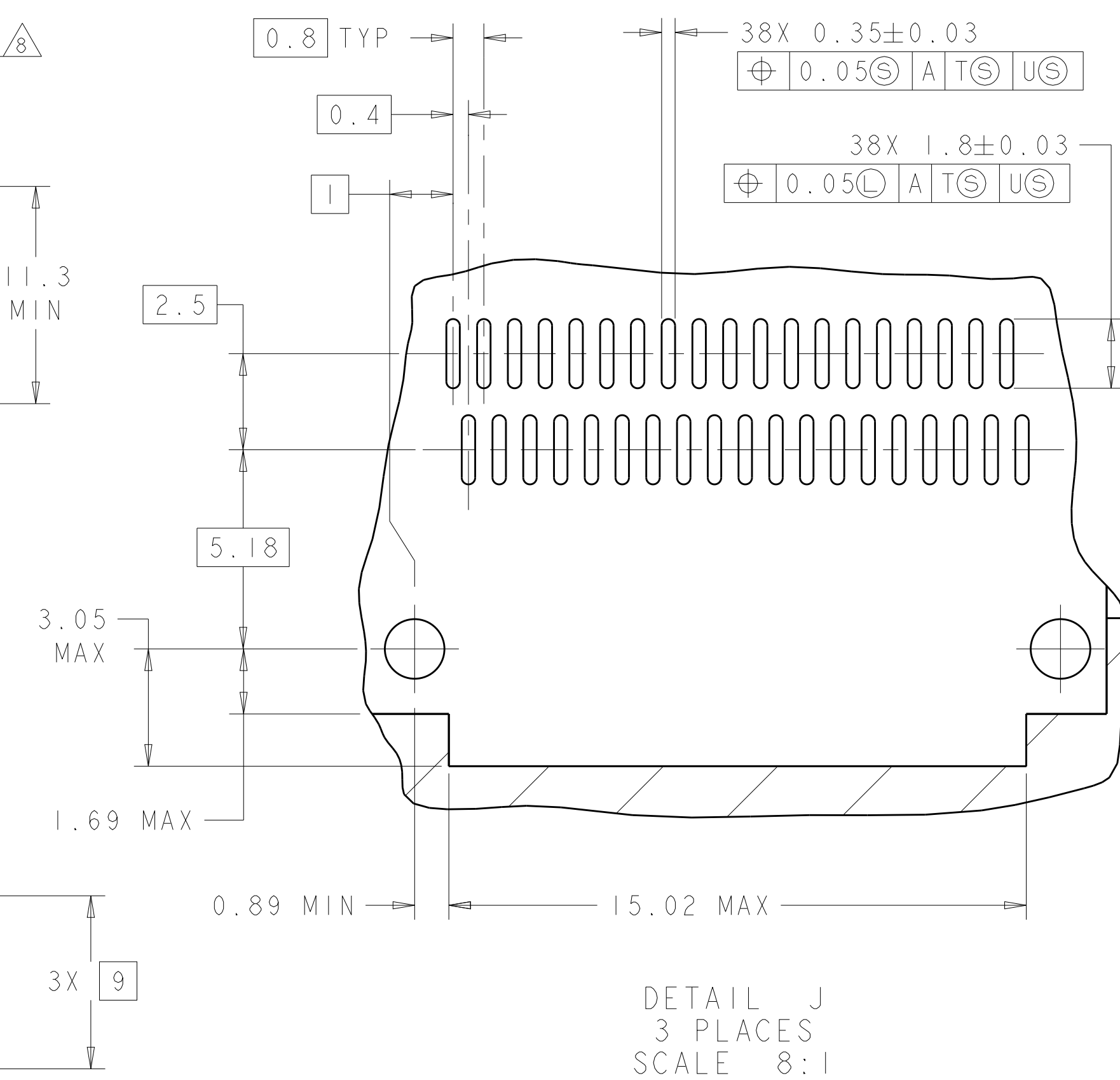
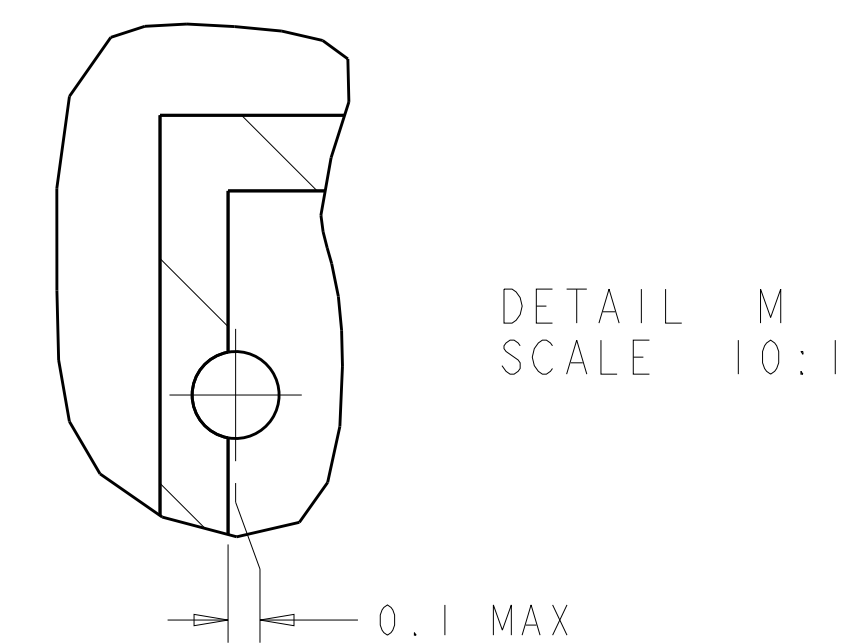
ONE SIDED CONFIGURATION
SCALE 5:2



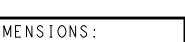
BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 5:2



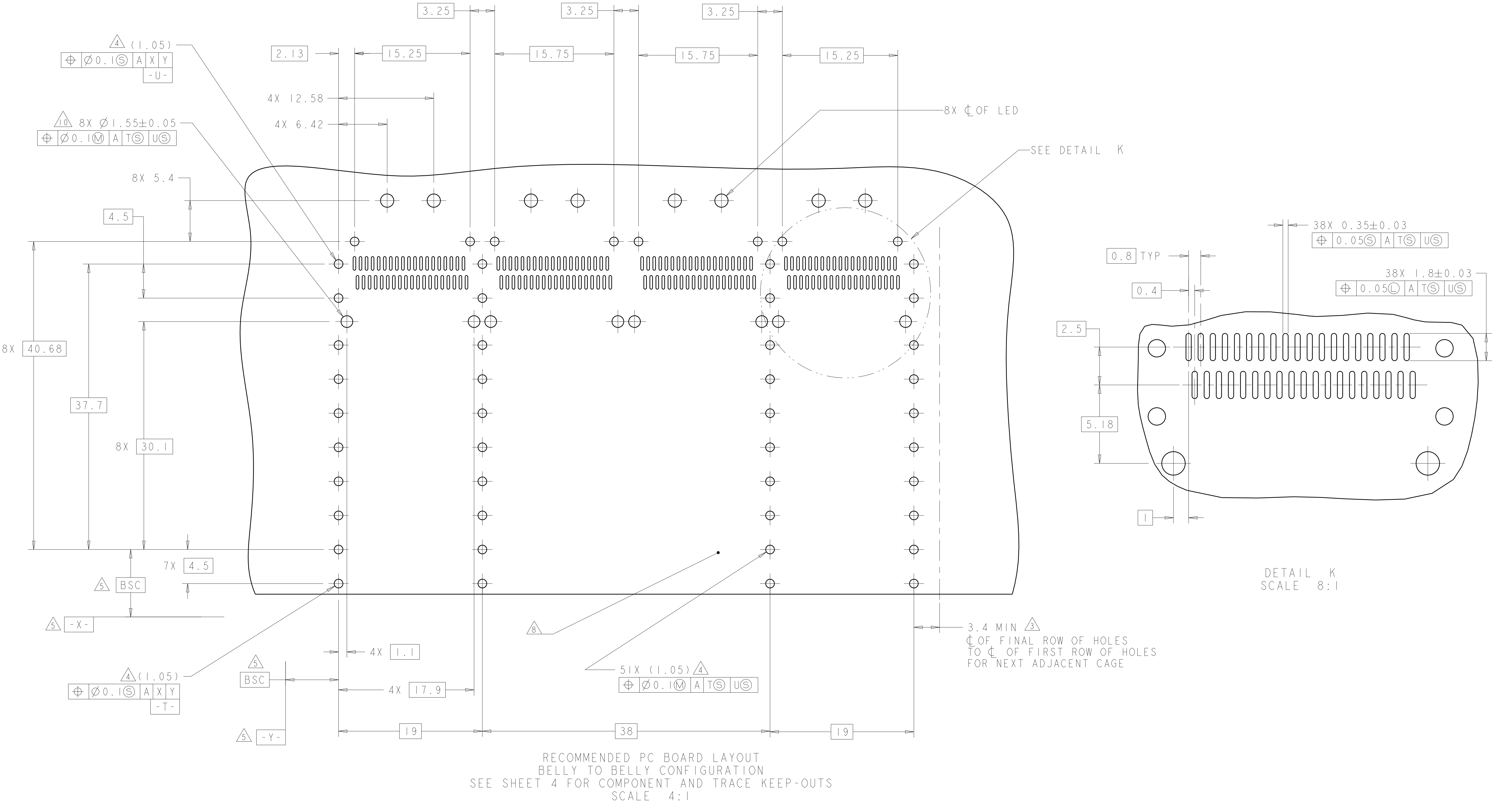
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ZJ	01JUL2013	TE TE Connectivity	
		CHK JASON	01JUL2013		
DIMENSIONS:		APVD AC	01JUL2013	NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2286	
		0 PLC ±.1		APPLICATION SPEC 114-13218	
		1 PLC ±0.1		WEIGHT	
		2 PLC ±.1		Customer Drawing	
		3 PLC ±.1		SCALE 4:1	
		4 PLC ±.1		SHEET 3 OF 5	
		ANGLES ±.1		REV B1	
		FINISH			



DETAIL J
3 PLACES
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J J	01 JUL 2013	 TE Connectivity								
		CHK JSAON	01 JUL 2013									
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP						
mm				APPROVED BY: AC								
		PRODUCT SPEC		SIZE						CAGE CODE	DRAWING NO	RESTRICTED TO
		APPLICATION SPEC		108-2286						A1	-	SCALE
MATERIAL		FINISH		WEIGHT		C=2170567		4 OF 5				
-		-		-		Customer Drawing		REV B				

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ZJ	01JUL2013	 TE Connectivity	
DIMENSIONS:		CHK JASON	01JUL2013		
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
APVD AC		01JUL2013			
PRODUCT SPEC		SIZE A1			
108-2286					
APPLICATION SPEC		CAGE CODE -			
114-13218					
WEIGHT		DRAWING NO 2170567			
Customer Drawing					
FINISH		RESTRICTED TO -			
MATERIAL					
		SCALE 4:1	SHEET 5 OF 5	REV B	