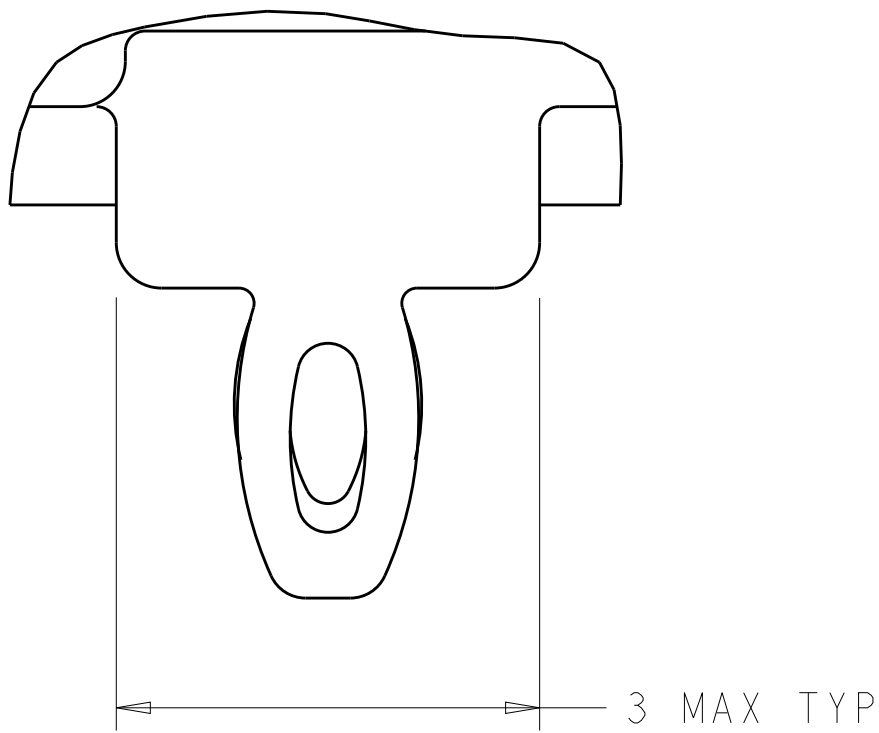


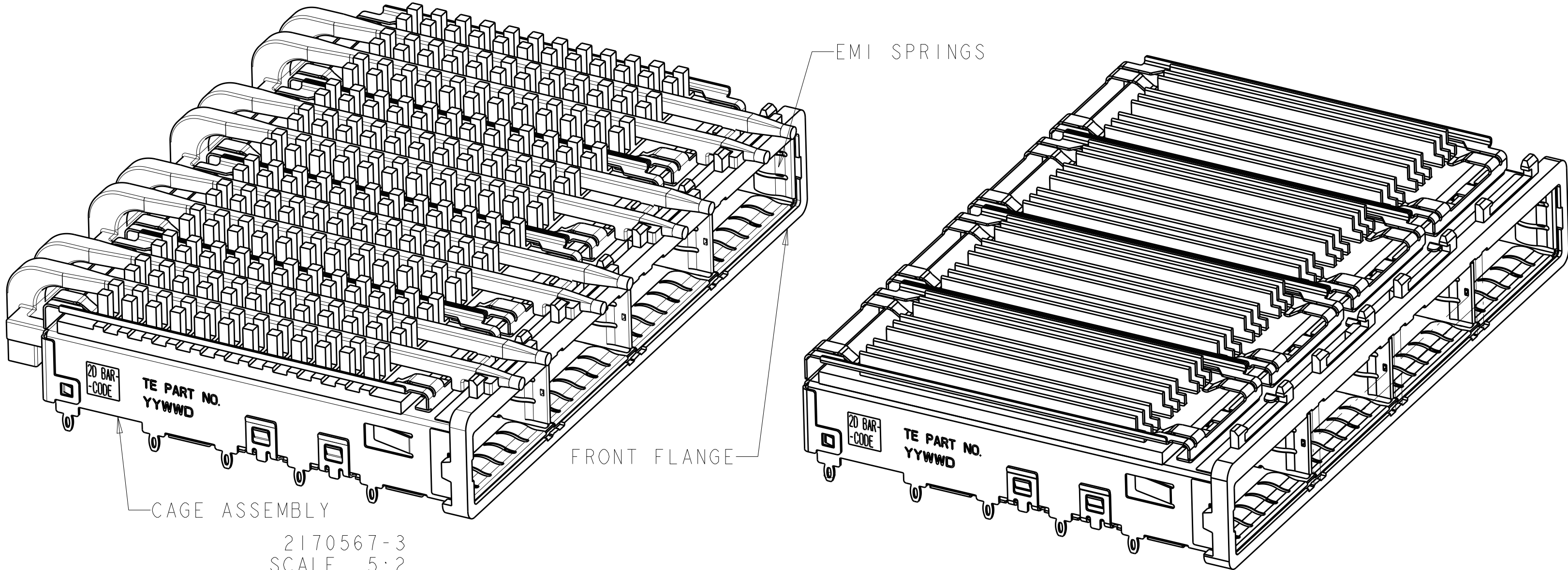
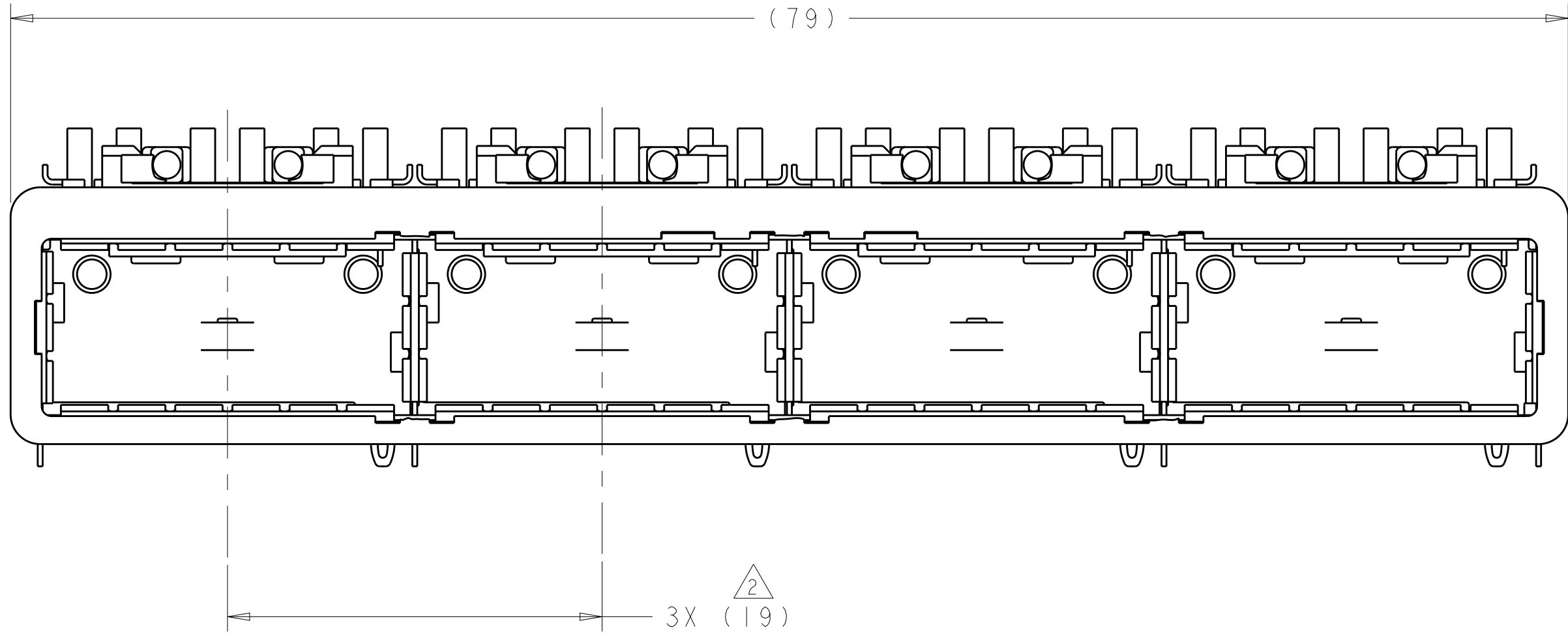
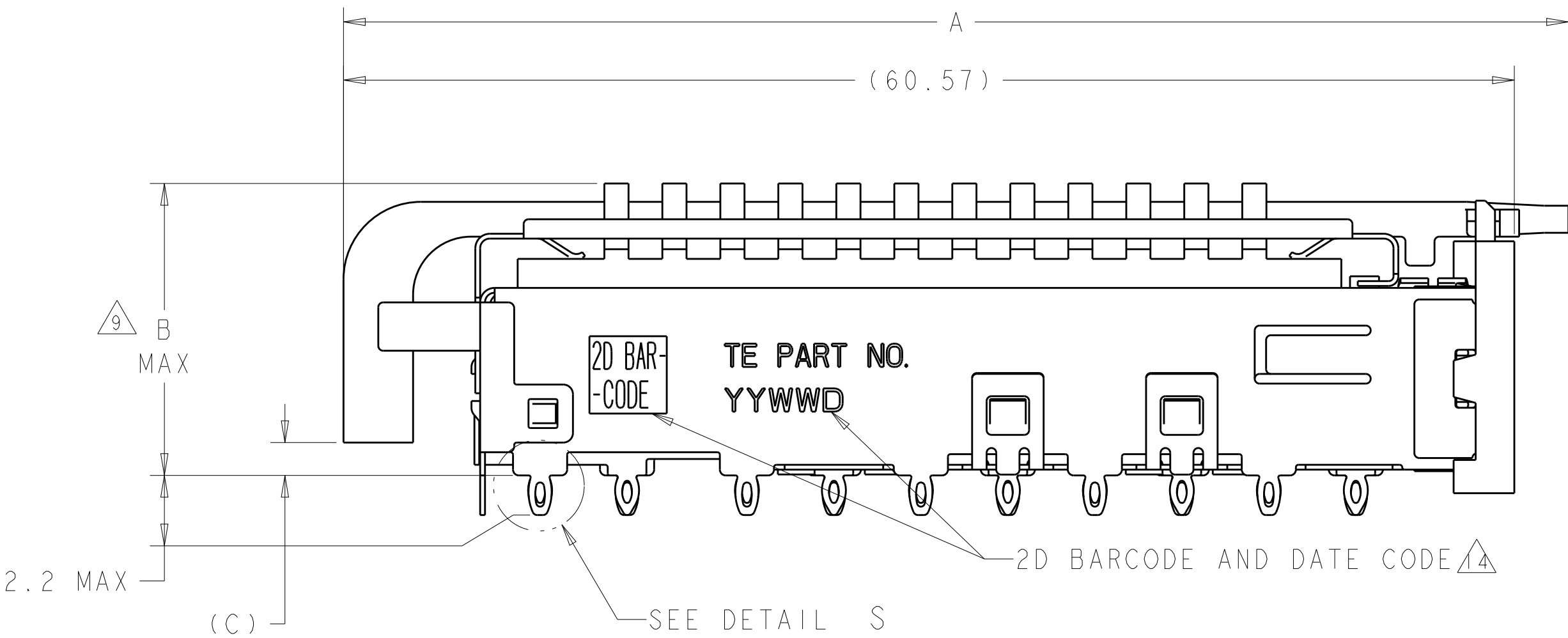
2		1						
LOC	DIST	REVISIONS						
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		A		ACTIVE THE DRAWING	03JAN2014	ZJ	JY	
		B		REVISE PER ECO-15-000289	8JAN2015	RG	MC	
		B1		ADD 2170567-6 AND 2170567-7	3MAY2015	RG	SH	



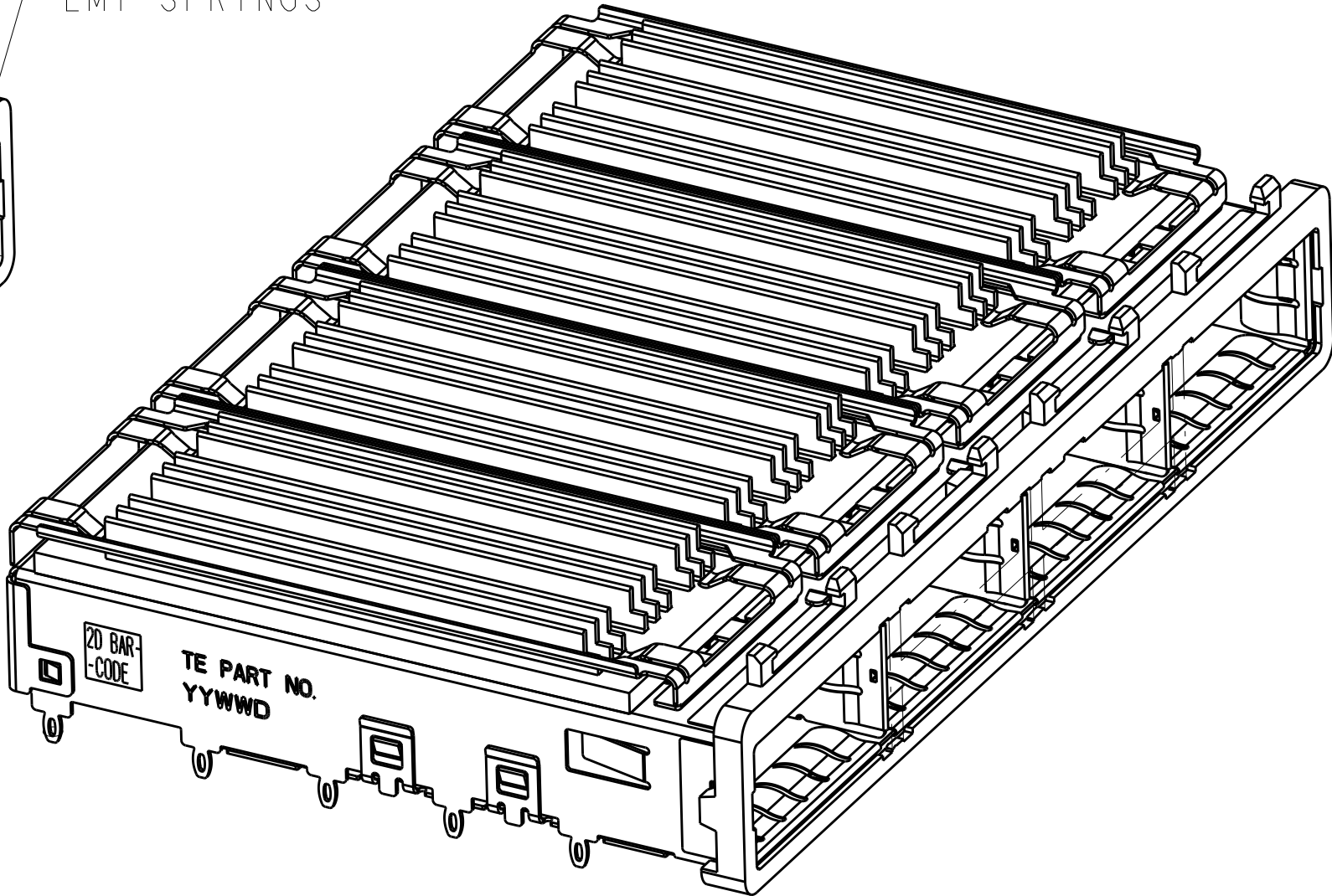
DETAIL S
SCALE 20:1

- 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.

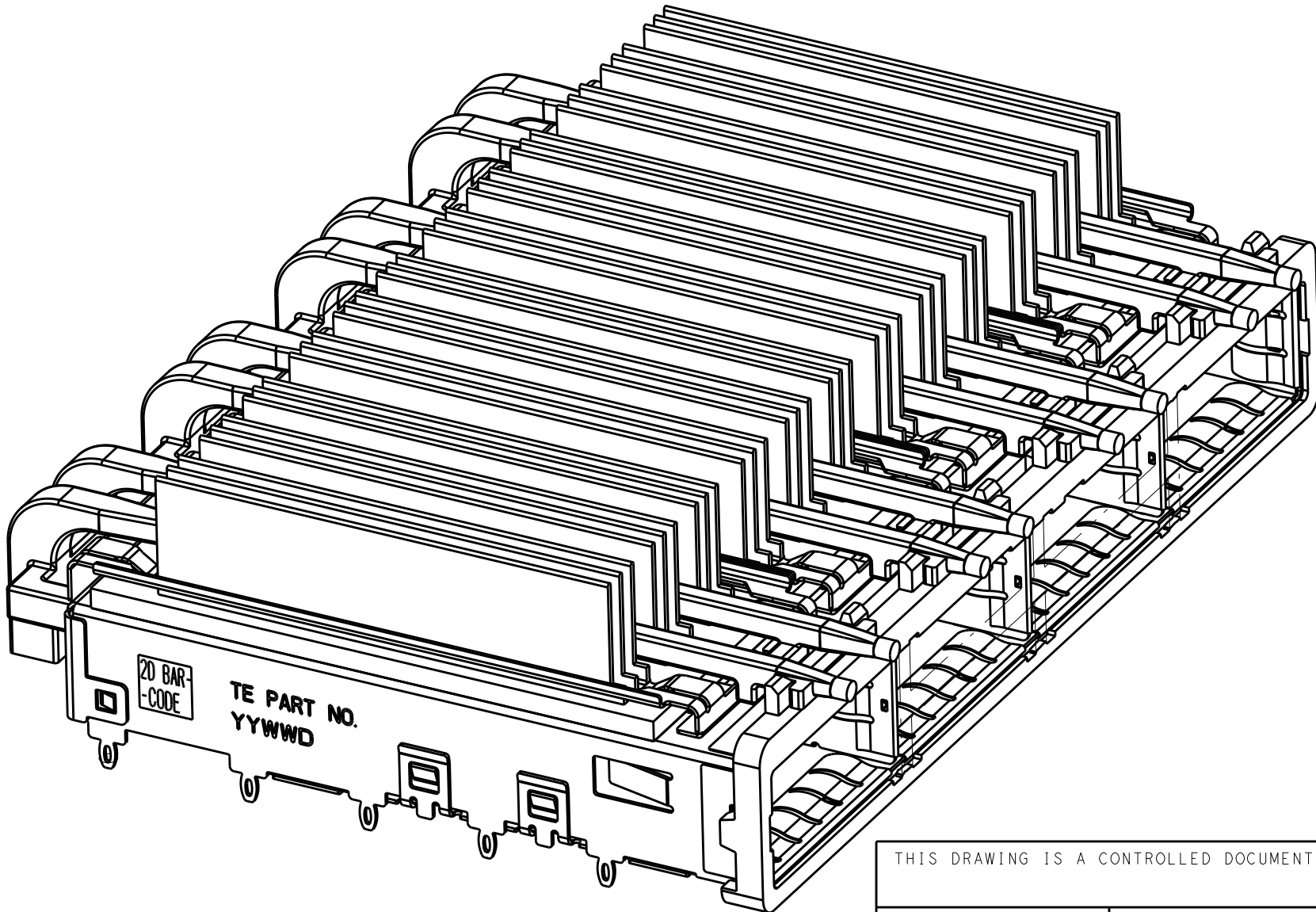
- 15 REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16 EMI SPRING FINISH: 2µm MINIMUM TIN
FRONT FLANGE FINISH: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL
OVER 5.08µm MINIMUM COPPER.
HEAT SINK FINISH: BLACK ANODIZE PROCESS



2170567-3
SCALE 5:2



2170567-6
SCALE 5:2

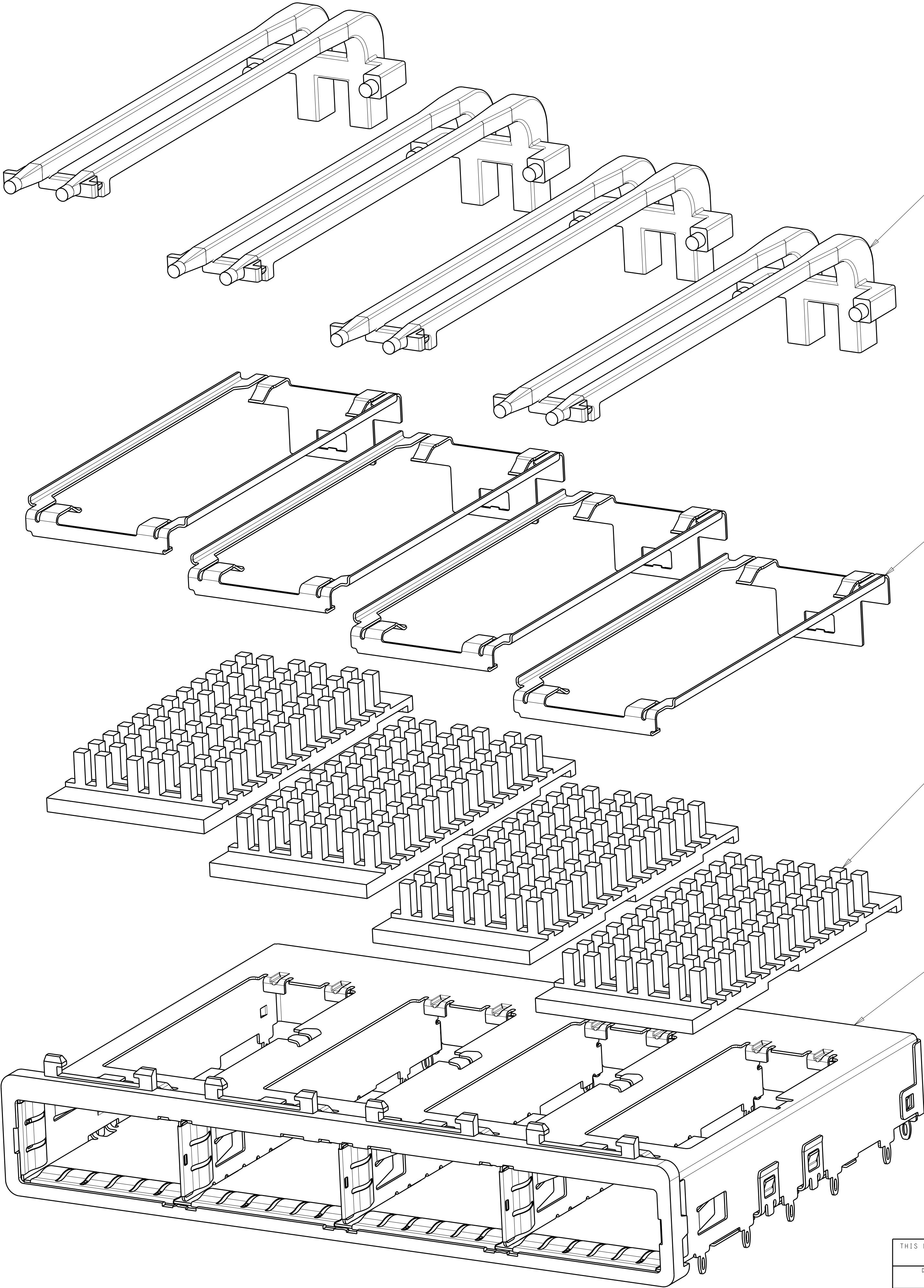


2170567-7
SCALE 5:2

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		APVD AC 01JUL2013	NAME	
		PRODUCT SPEC	1X4 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
		108-2286		
		APPLICATION SPEC		
		114-13218		
MATERIAL		FINISH	SIZE	CAGE CODE
			A1	-
		WEIGHT	DRAWING NO	RESTRICTED TO
			C=2170567	-
		Customer Drawing	SCALE 4:1	SHEET 1 OF 5

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



DOUBLE LIGHT PIPES 
QUANTITY: 4

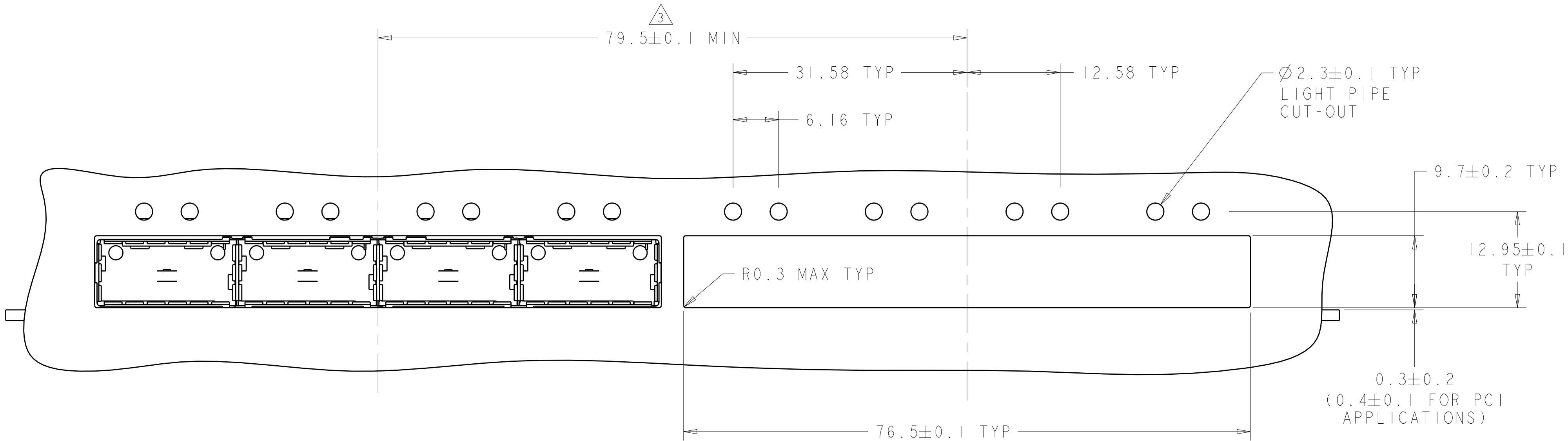
HEAT SINK CLIPS 
QUANTITY: 4

72 PIN HEAT SINKS 
QUANTITY: 4

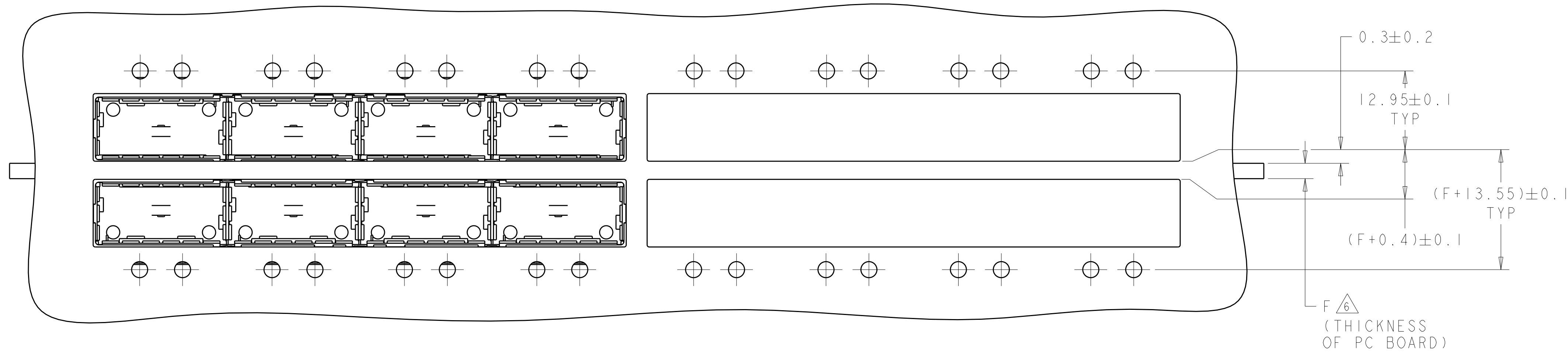
1X4 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

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	SIZE		
		APPLICATION SPEC	114-13218			
		WEIGHT	-	CAGE CODE		
		FINISH	-			
		Customer Drawing		DRAWING NO		
		SCALE	4:1	SHEET		
				REV		

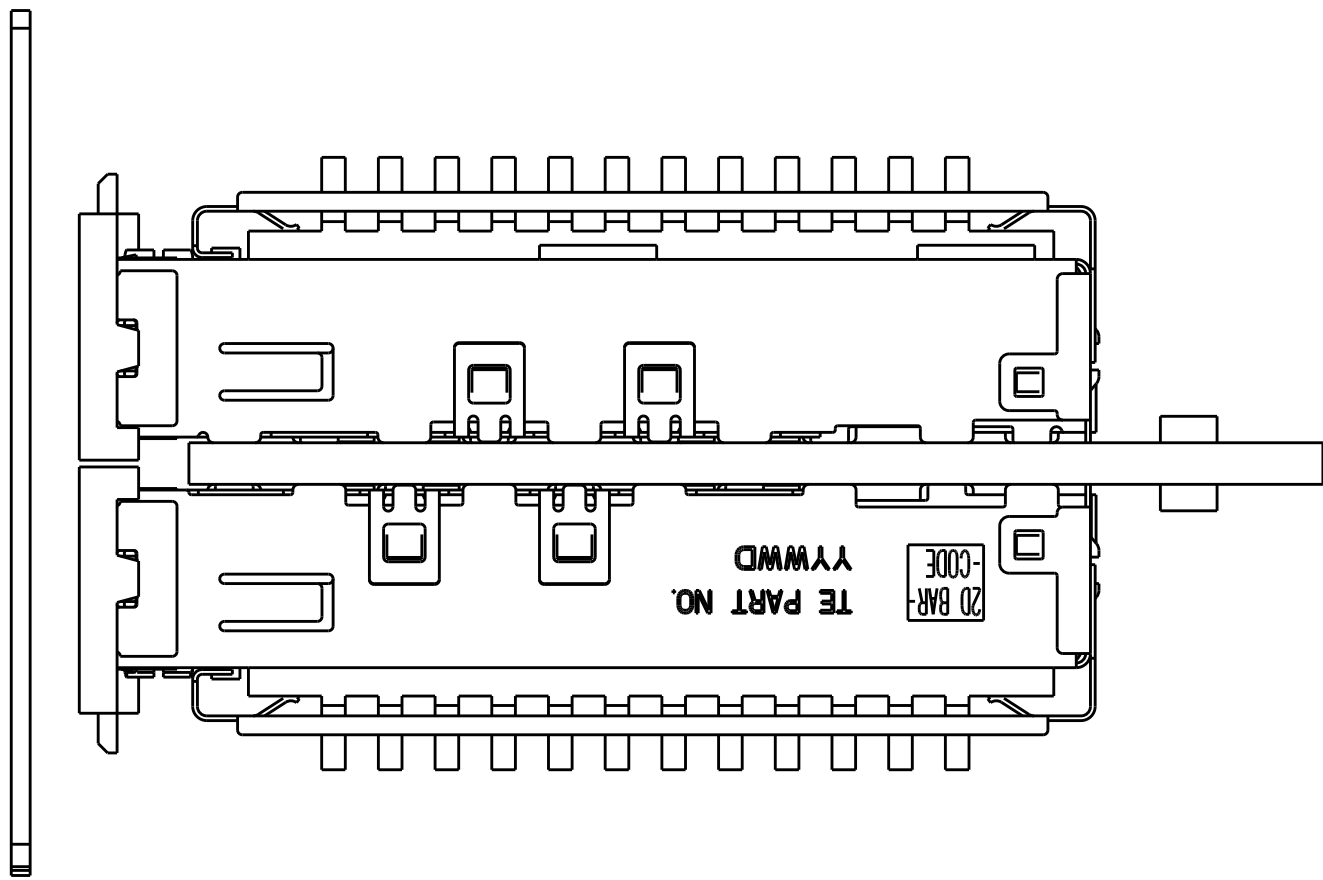
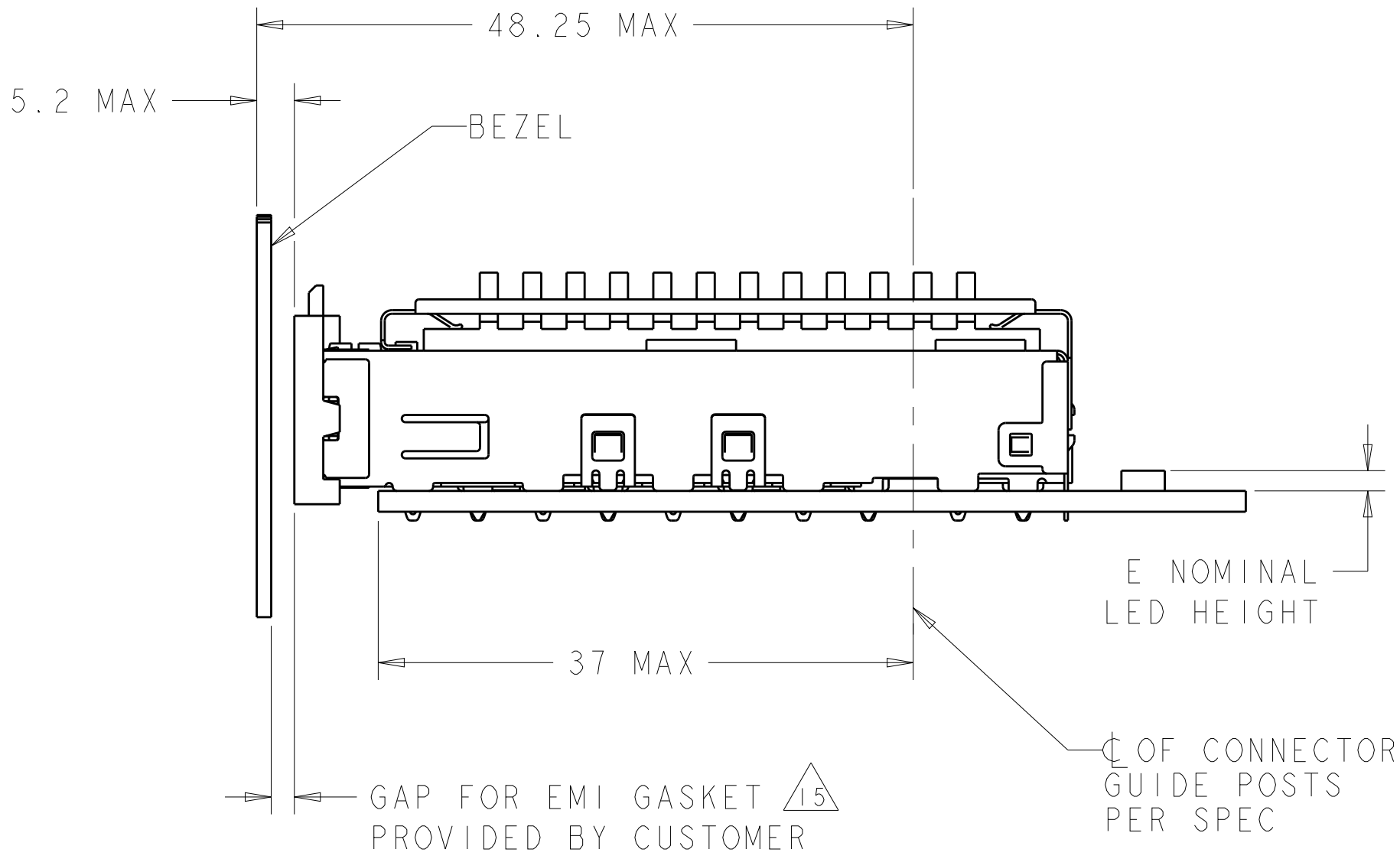
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



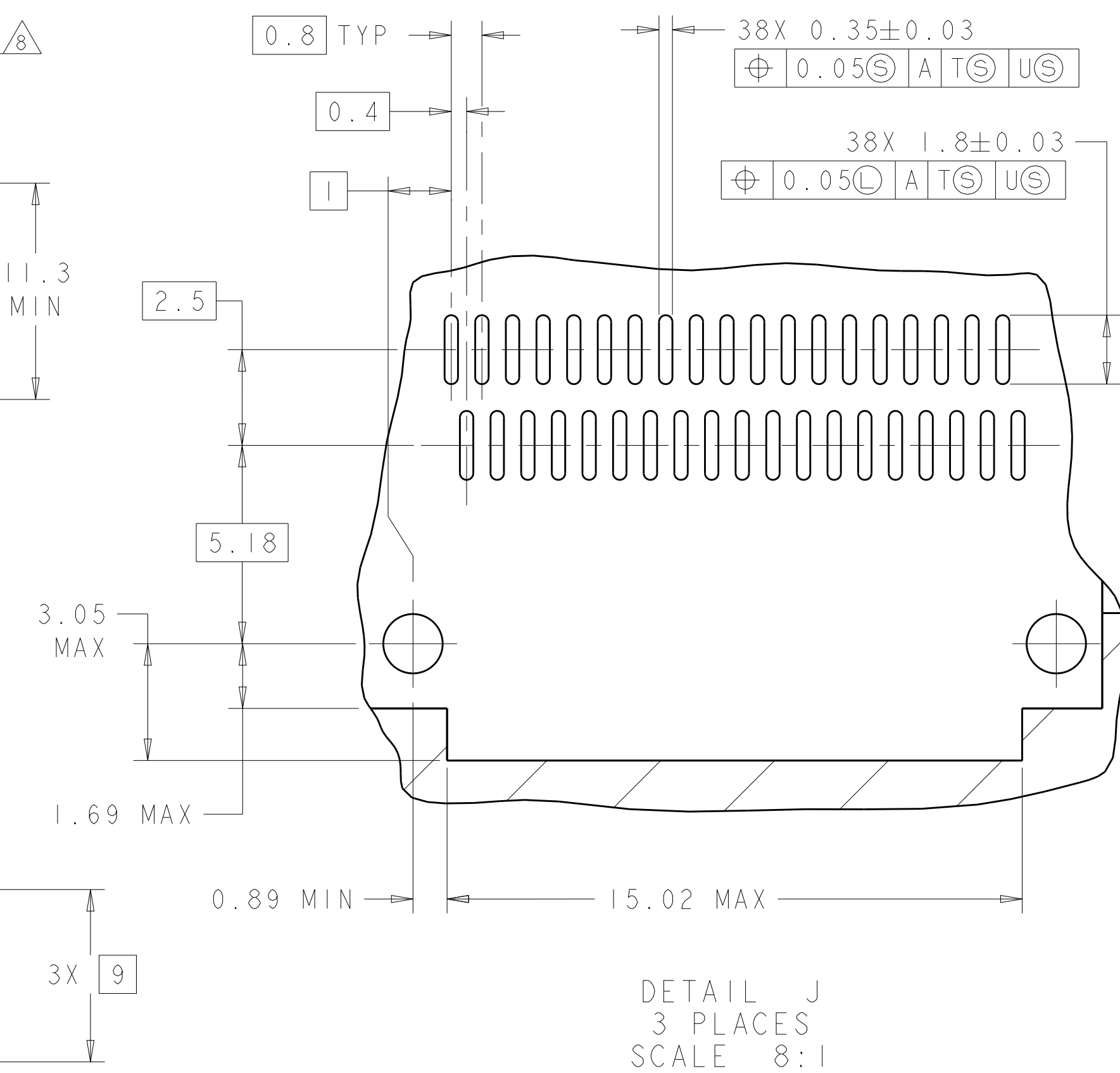
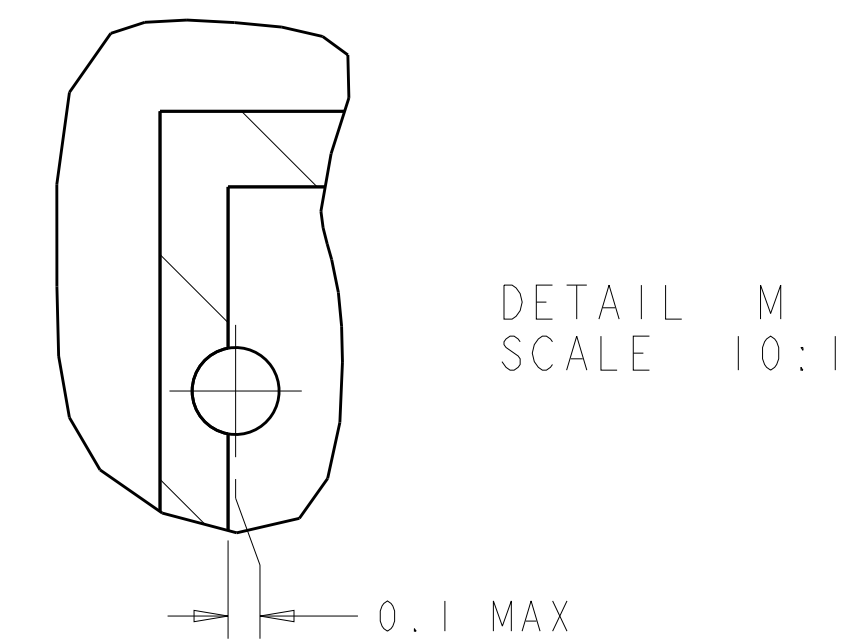
ONE SIDED CONFIGURATION
SCALE 5:2



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	
		0 PLC ±.1		108-2286	
		1 PLC ±0.1		APPLICATION SPEC	
		2 PLC ±.1		114-13218	
		3 PLC ±.1		WEIGHT	
		4 PLC ±.1		Customer Drawing	
		ANGLES		SCALE 4:1	
		FINISH		SHEET 3 OF 5	
MATERIAL				REV B1	



DETAIL J
3 PLACES
SCALE 8:1

4805 (3/11)

