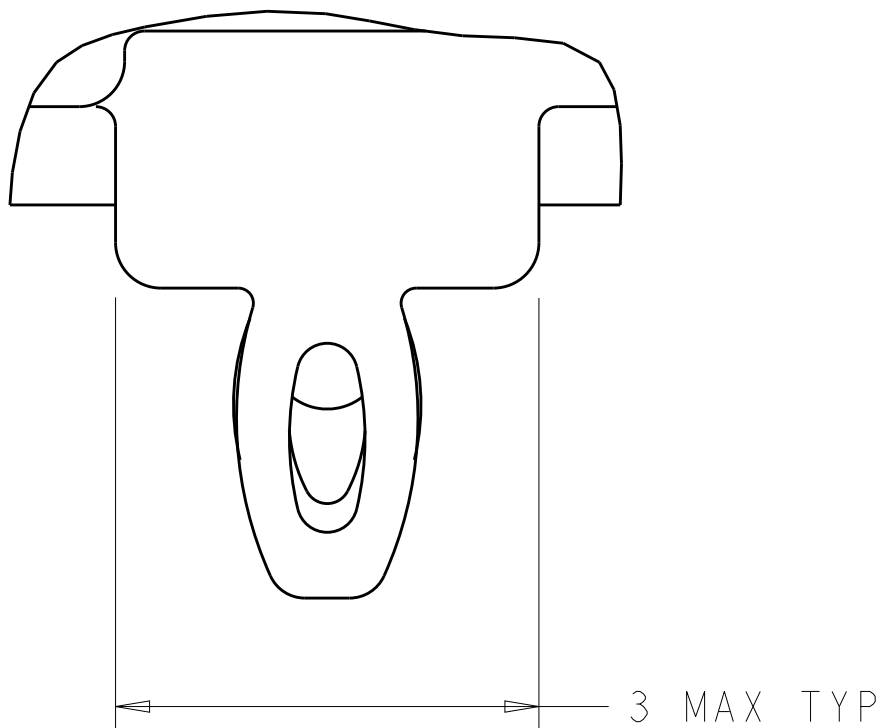


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		A	RELEASE TO A PER ECO-15-018552	28DEC2015	RG	SH



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 1X6 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.
- 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

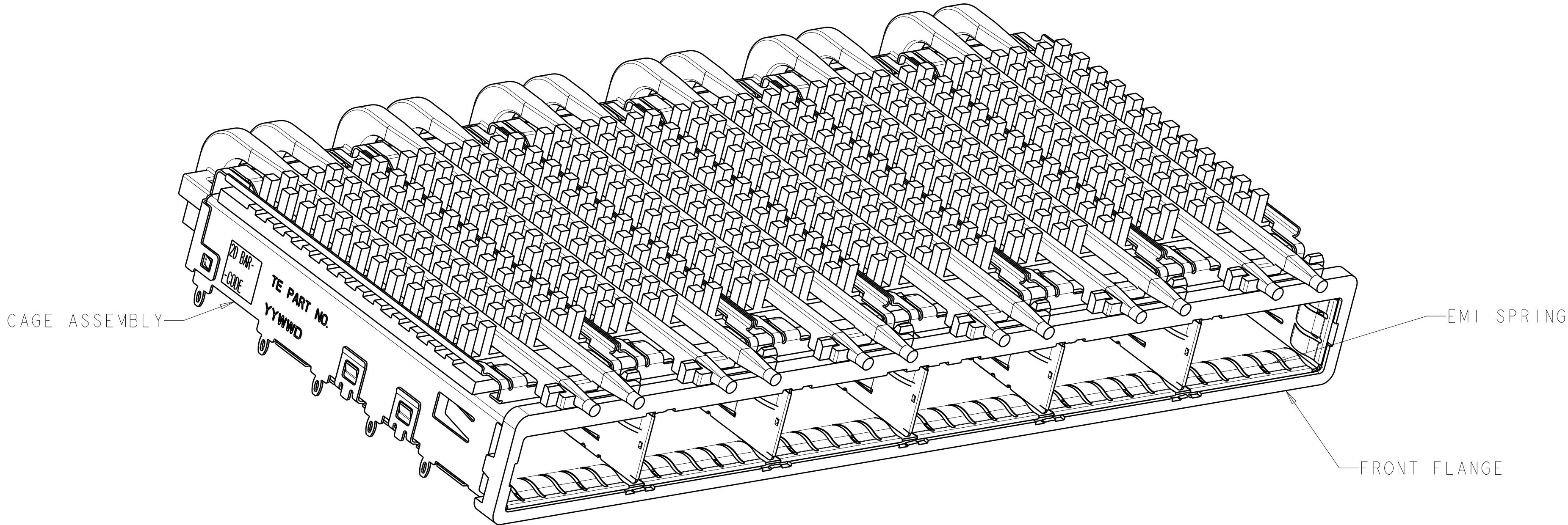
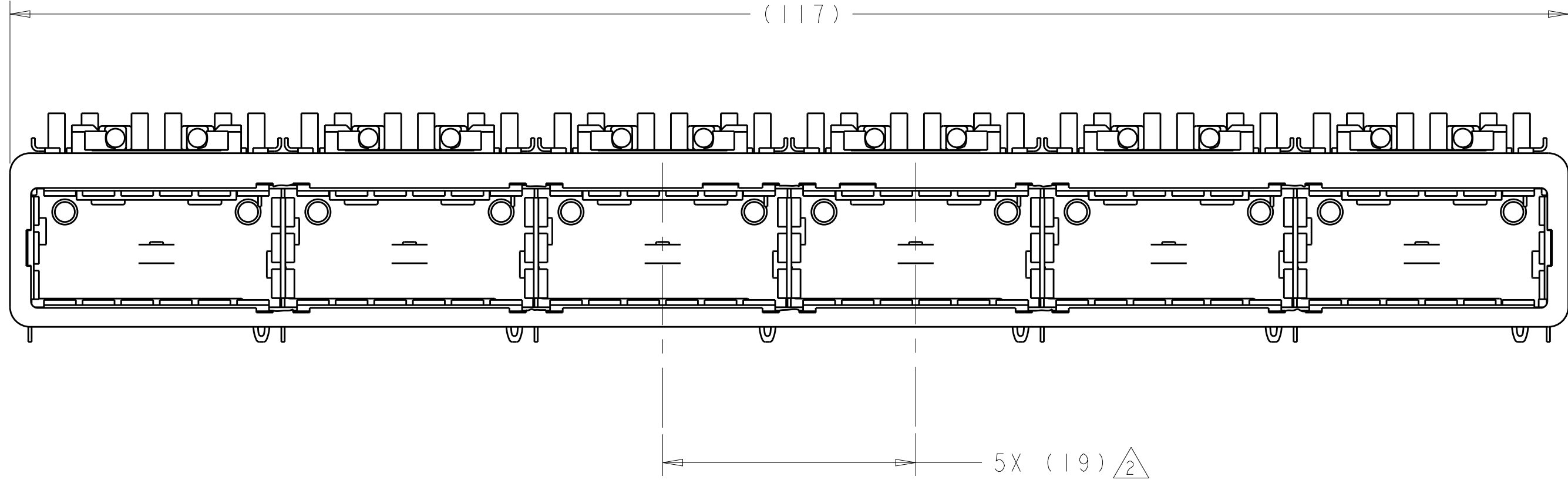
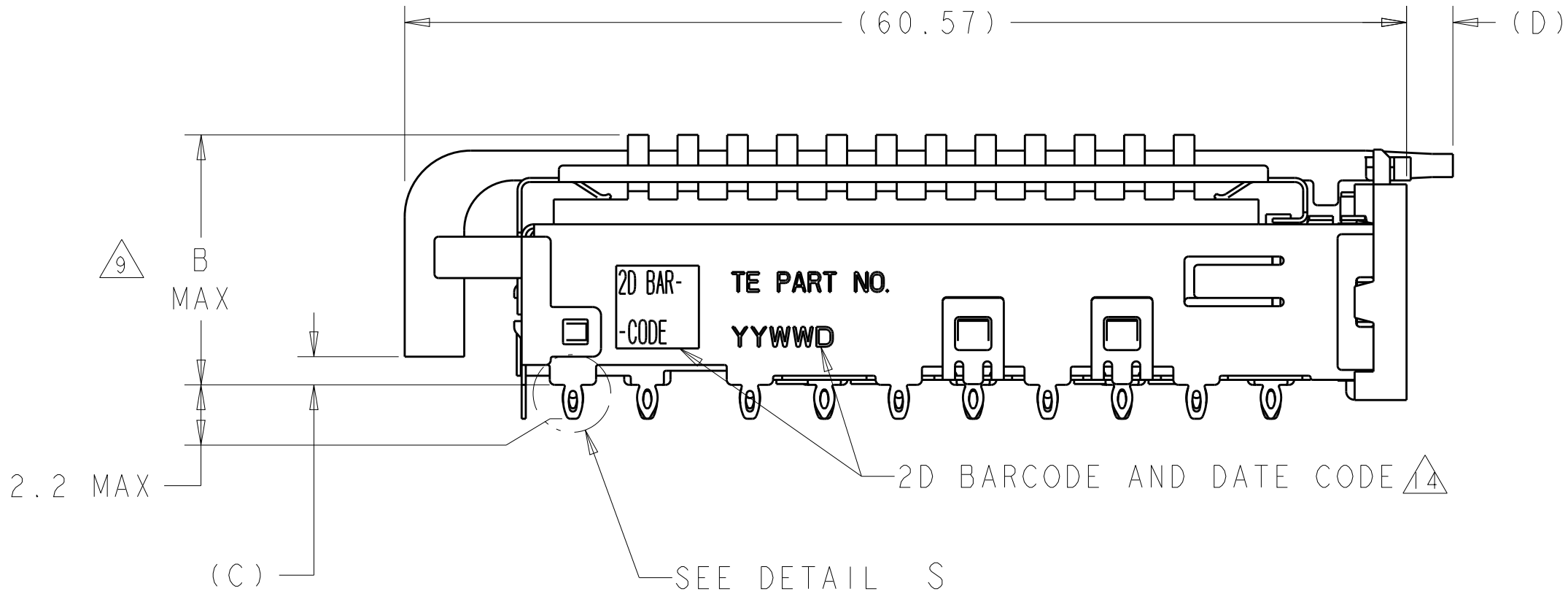
2D BARCODE AND DATE CODE (YYWWD) MARKED ON SIDE OF CAGE.

- 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: NICKEL OR BLACK ANODIZED
- 17

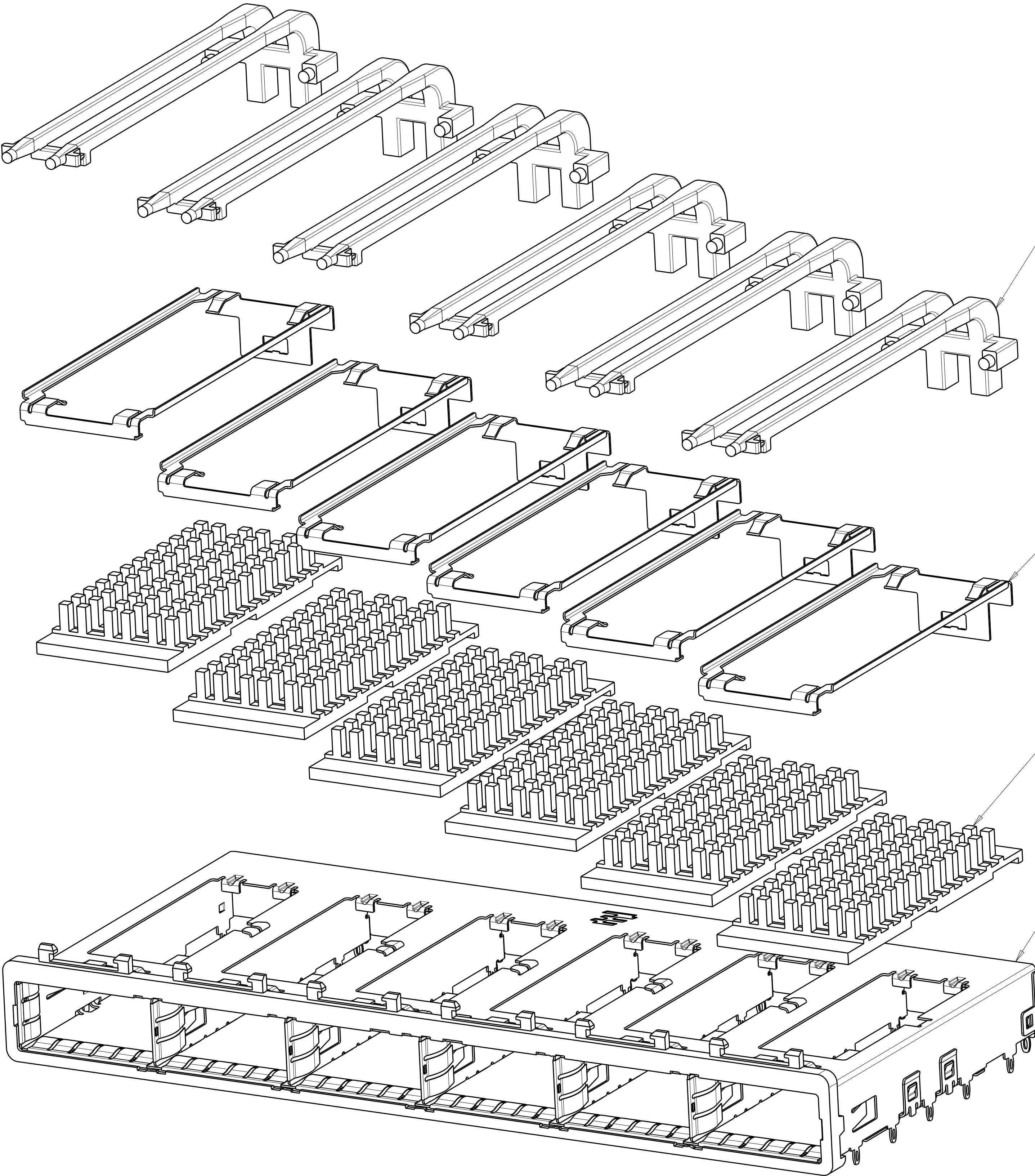
HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY.
LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CASE IS SEATED IN THE PCB.



7	0.8-1.1	2.8	1.70	23.0	NETWORKING	2143307-3
7	0.8-1.1	2.8	1.70	16.0	SAN	2143307-2
17	0.8-1.1	2.8	1.70	13.7	PCI	2143307-1
	E	D	C	B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	04MAR2010 04MAR2010 04MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE A1		
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1		DRAWING NO C=2143307		
MATERIAL		FINISH		RESTRICTED TO		
1		16		SCALE 3:1 SHEET 1 OF 5 REV A		
CUSTOMER DRAWING						

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



DOUBLE LIGHT PIPES
QUANTITY: 6

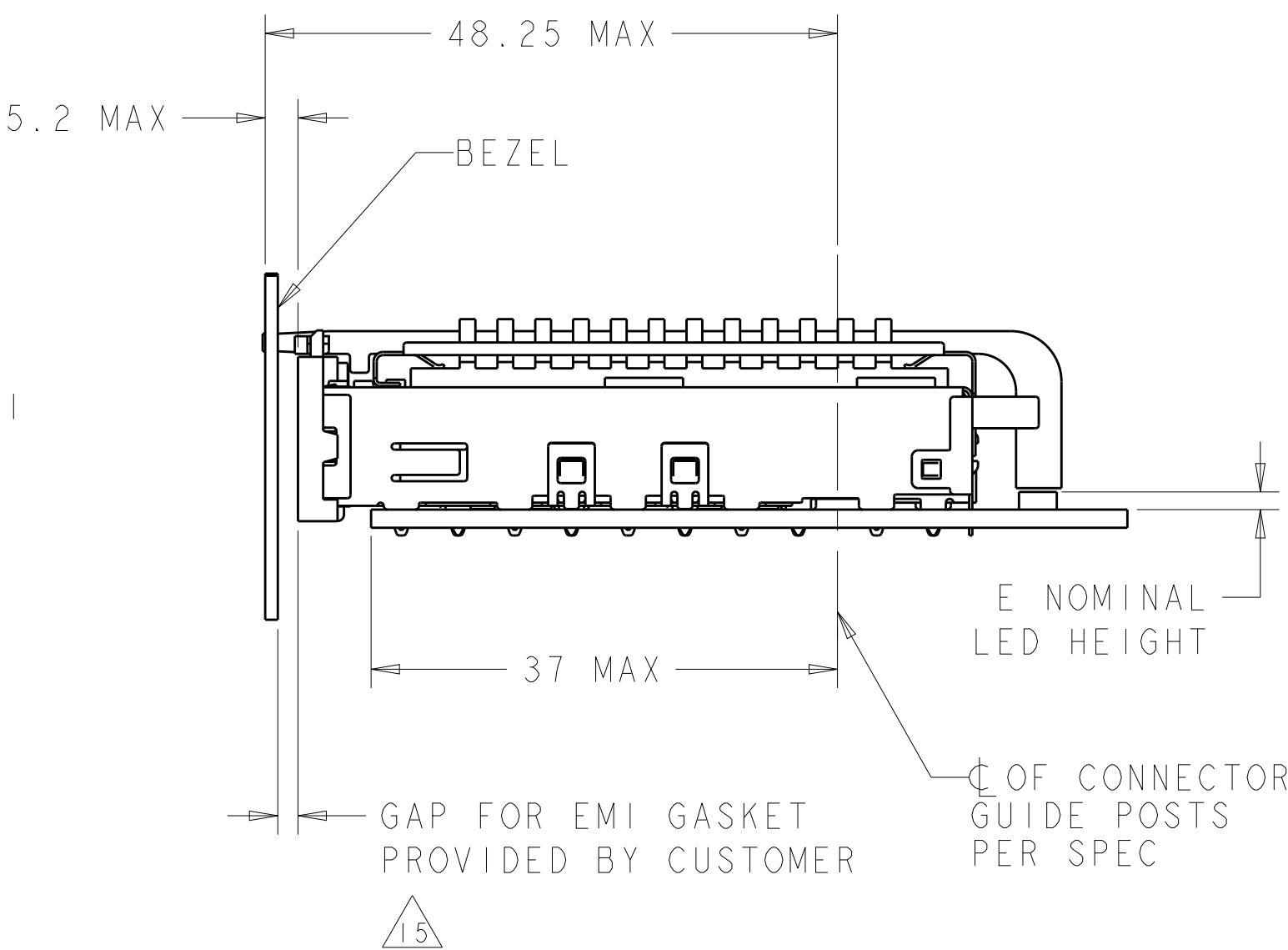
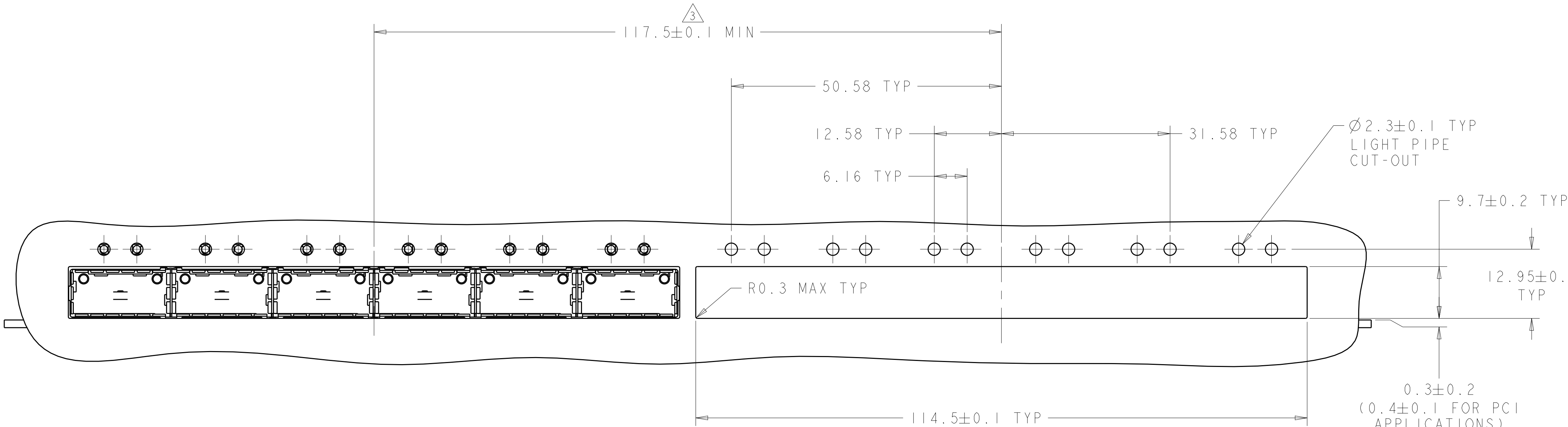
HEAT SINK CLIPS
QUANTITY: 6

72 PIN HEAT SINKS
QUANTITY: 6

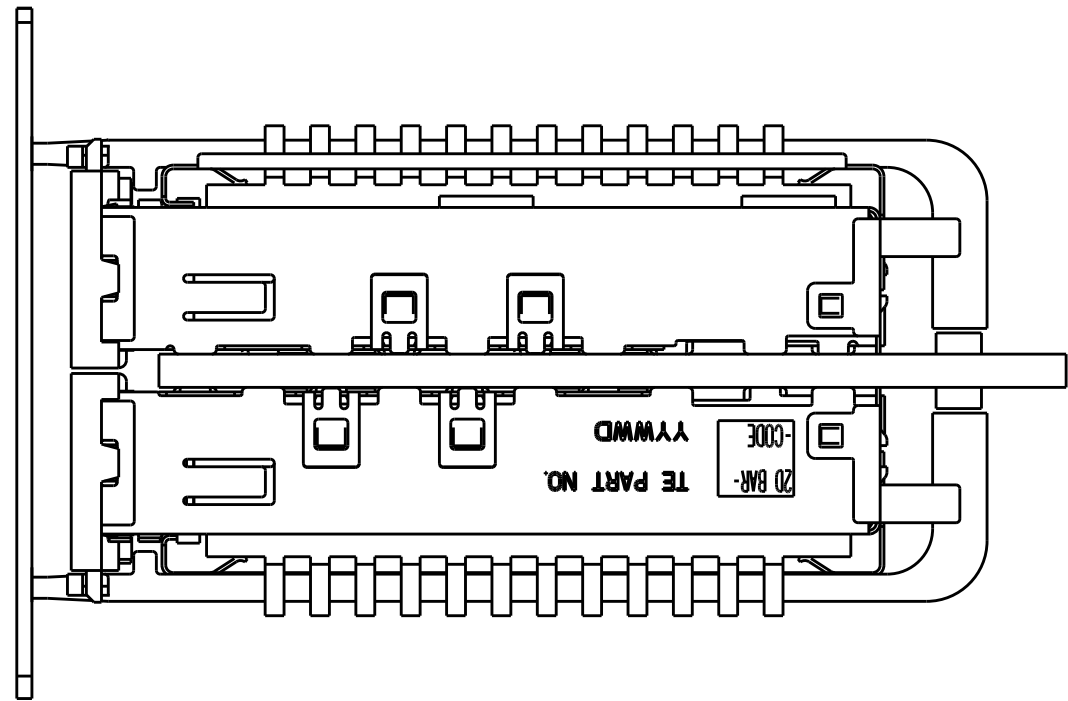
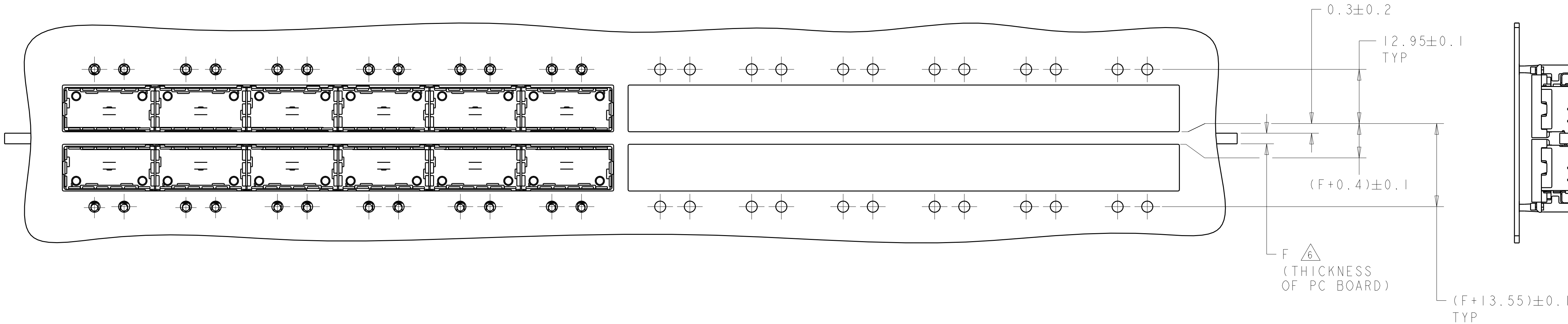
1X6 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	04MAR2010 04MAR2010 04MAR2010	TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1 FINISH		NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
MATERIAL -		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218 WEIGHT -		SIZE A100779C=2143307	
CUSTOMER DRAWING		SCALE 3:1		SHEET 2 OF 5	
				REV A	

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

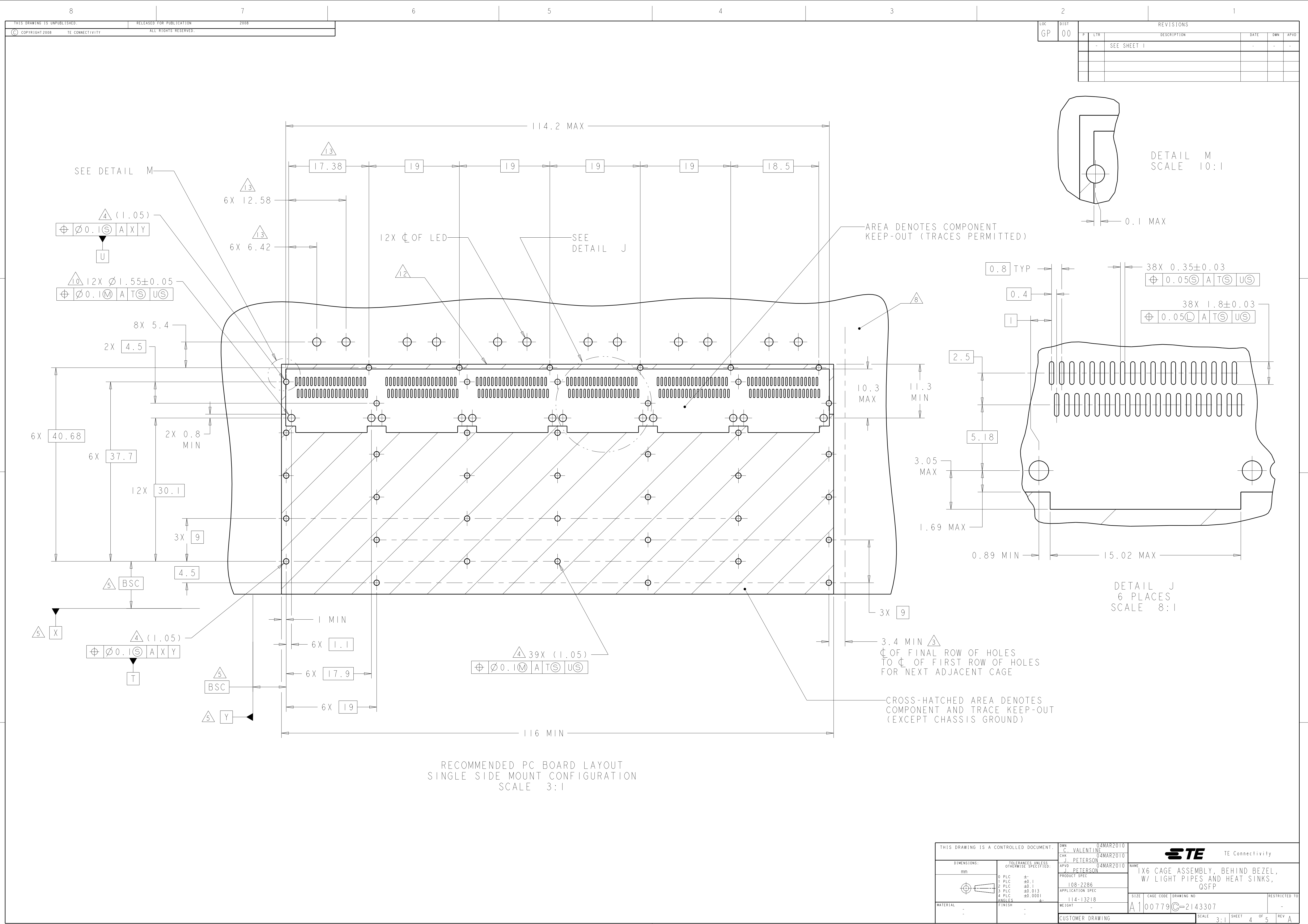


ONE SIDED CONFIGURATION
SCALE 2:1

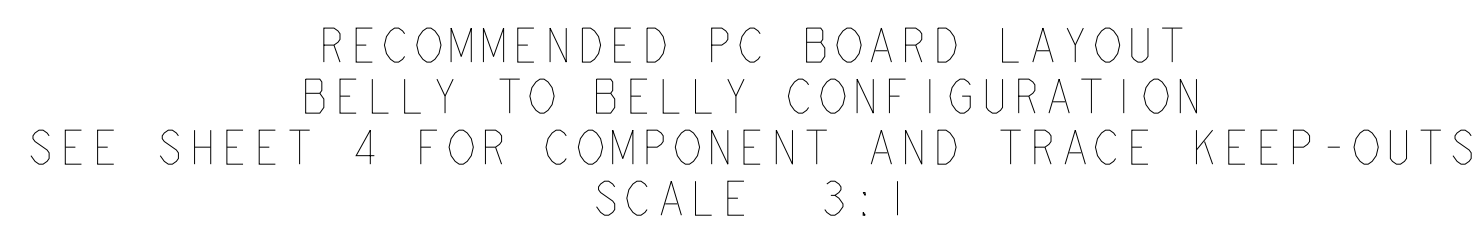


BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 04MAR2010	 TE Connectivity		NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
DIMENSIONS:		CHK J. PETERSON 04MAR2010				
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON 04MAR2010	PRODUCT SPEC		RESTRICTED TO	
	0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1		108-2286 APPLICATION SPEC 114-13218			
MATERIAL	FINISH	WEIGHT	SIZE CAGE CODE DRAWING NO		A100779C=2143307	
-	-	-	CUSTOMER DRAWING		-	
		SCALE 3:1		SHEET 3 OF 5		
				REV A		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 04MAR2010	TE Connectivity	
DIMENSIONS:		CHK J. PETERSON 04MAR2010		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON 04MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
	0 PLC $\pm$ 0.1	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
	1 PLC $\pm$ 0.1	108-2286	RESTRICTED TO	
	2 PLC $\pm$ 0.1	APPLICATION SPEC	A100779C=2143307	
	3 PLC $\pm$ 0.013	114-13218	SCALE 3:1 SHEET 4 OF 5 REV A	
	4 PLC $\pm$ 0.0001	WEIGHT		
MATERIAL	FINISH	CUSTOMER DRAWING		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06MAR2010 VALENTINE CHK J. PETERSON 06MAR2010 APP'D J. PETERSON		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME X16 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, OSFP	
		Ø PLG ±.1 .0 PLG ±0.1 2 PLG ±0.1 2 PLG ±0.013 2 PLG ±0.0001 ANGLES ±.1		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218	
MATERIAL -		FINISH -		SIZE CAGE CODE DRAWING NO A100779C2143307	
		WEIGHT -		RESTRICTED TO -	
		CUSTOMER DRAWING		SCALE 3:1 SHEET 5 OF 5 REV A	

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