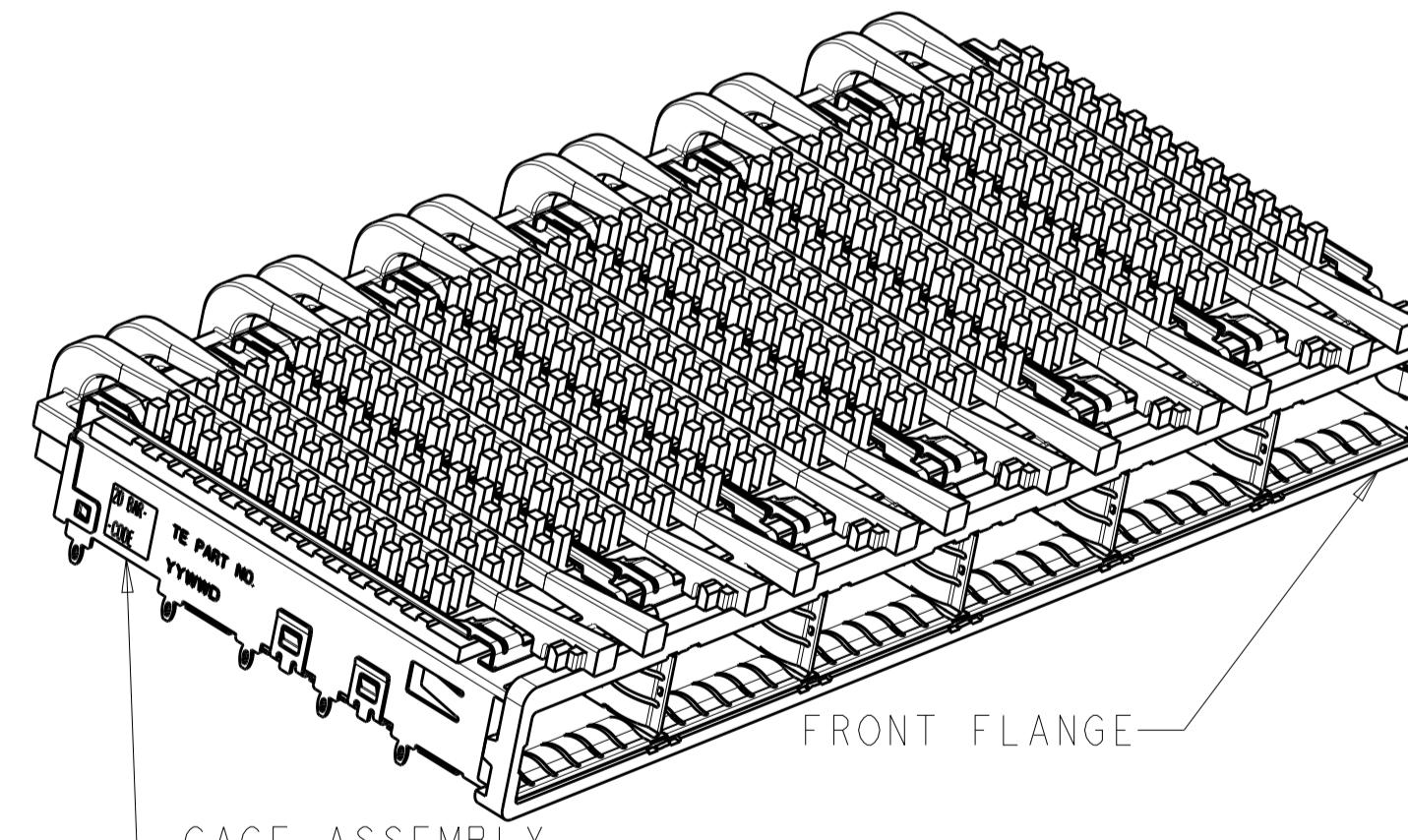
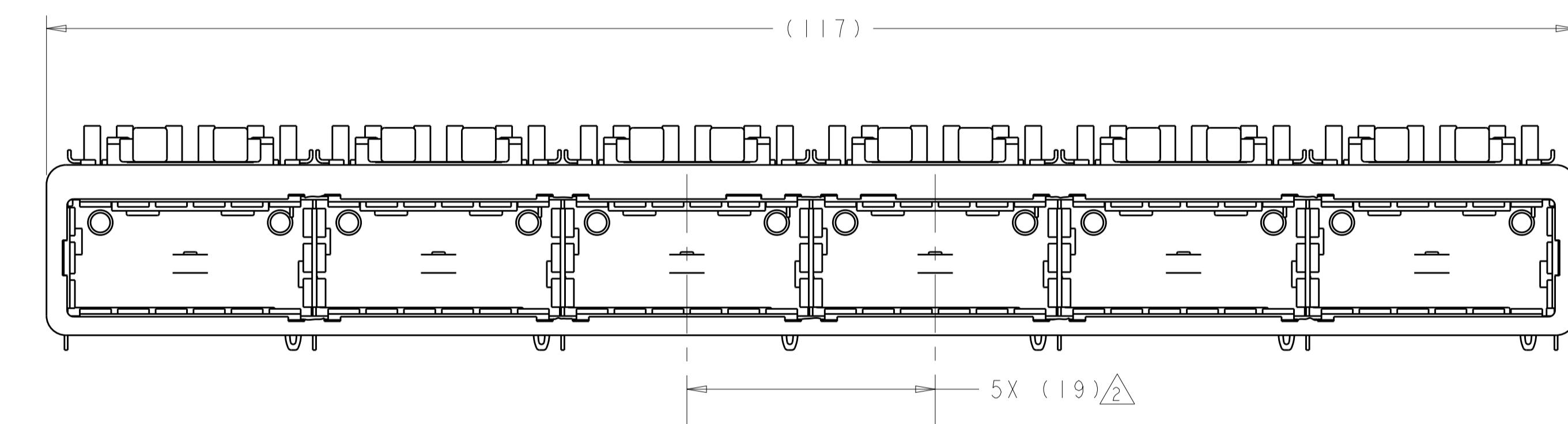
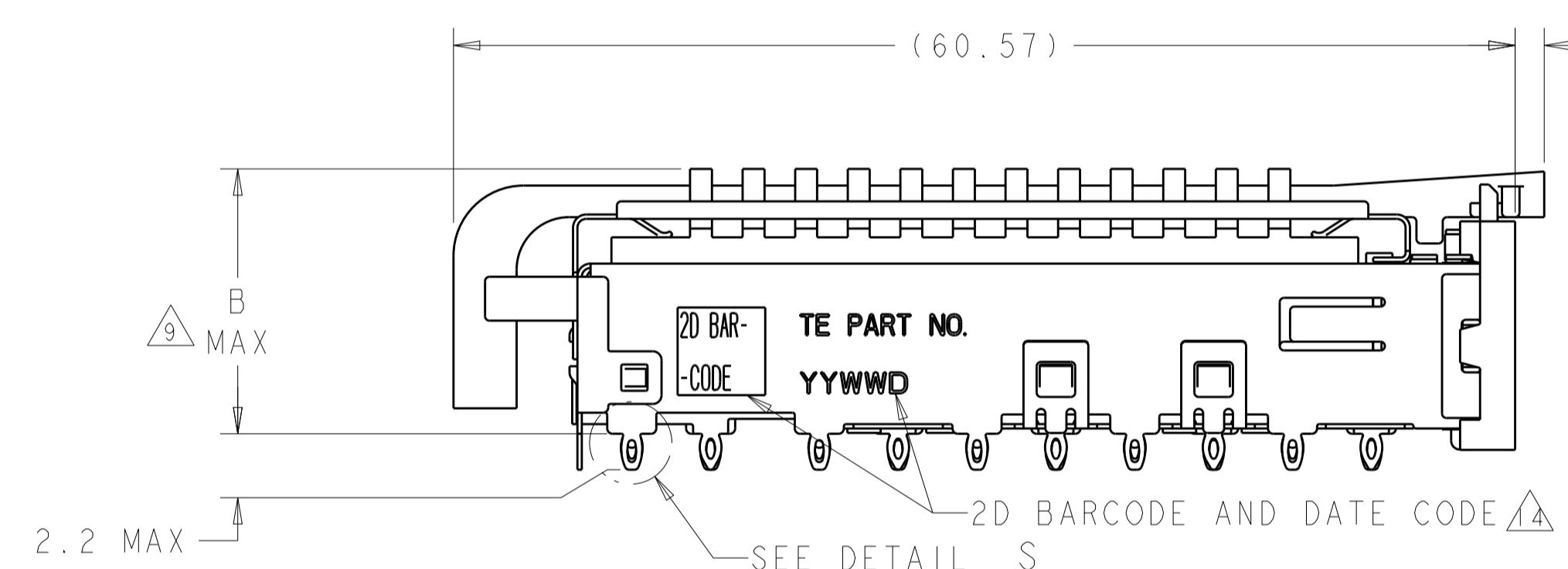


DETAIL S  
SCALE 20:1

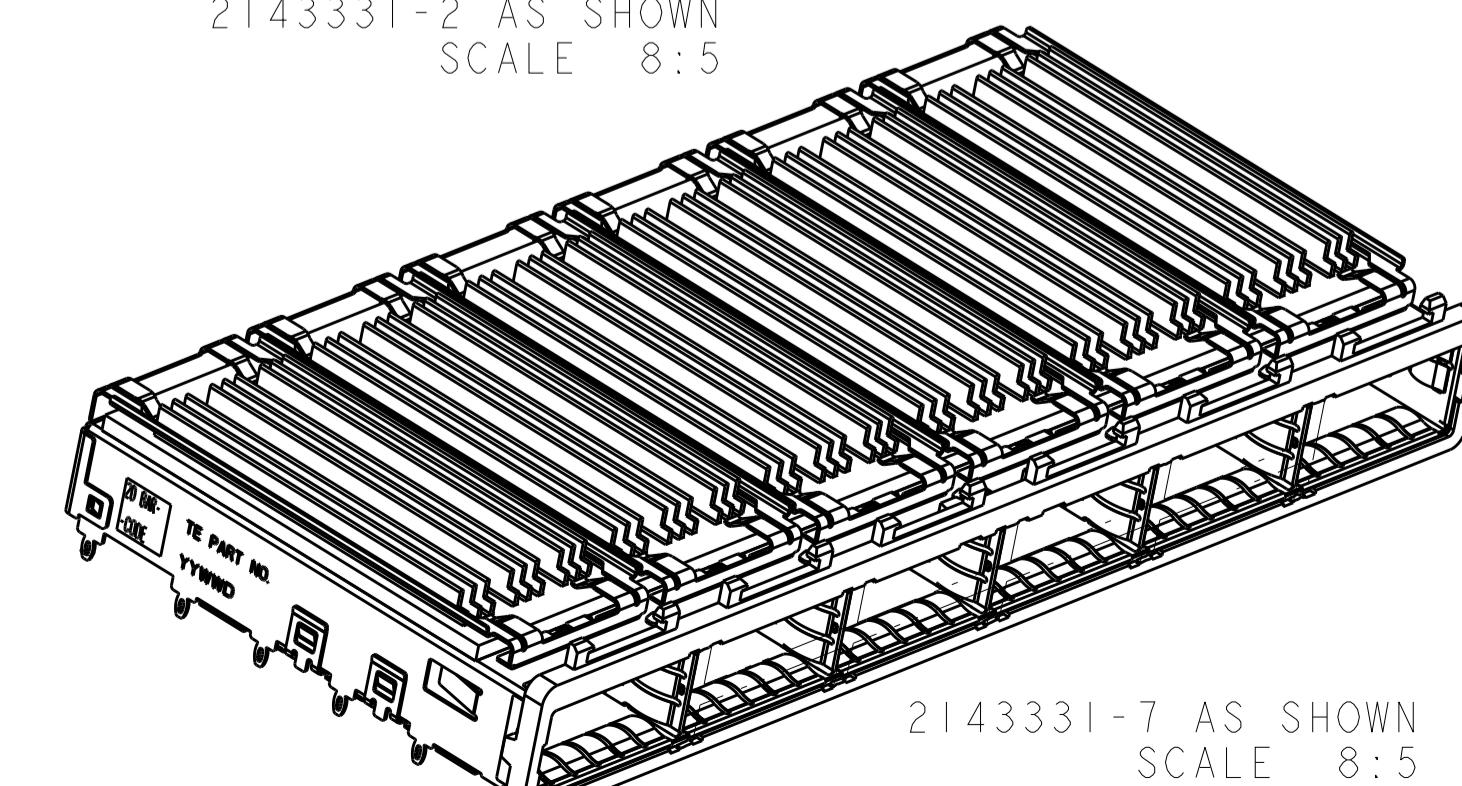
1) CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK  
HEAT SINK MATERIAL: ALUMINUM/NICKLE PLATING  
HEAT SINK CLIP MATERIAL: STAINLESS STEEL  
EMI SPRING MATERIAL: COPPER ALLOY  
FRONT FLANGE MATERIAL: ZINC ALLOY  
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE

2) PITCH BETWEEN PORTS OF ONE IX6 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 I14-13218 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.

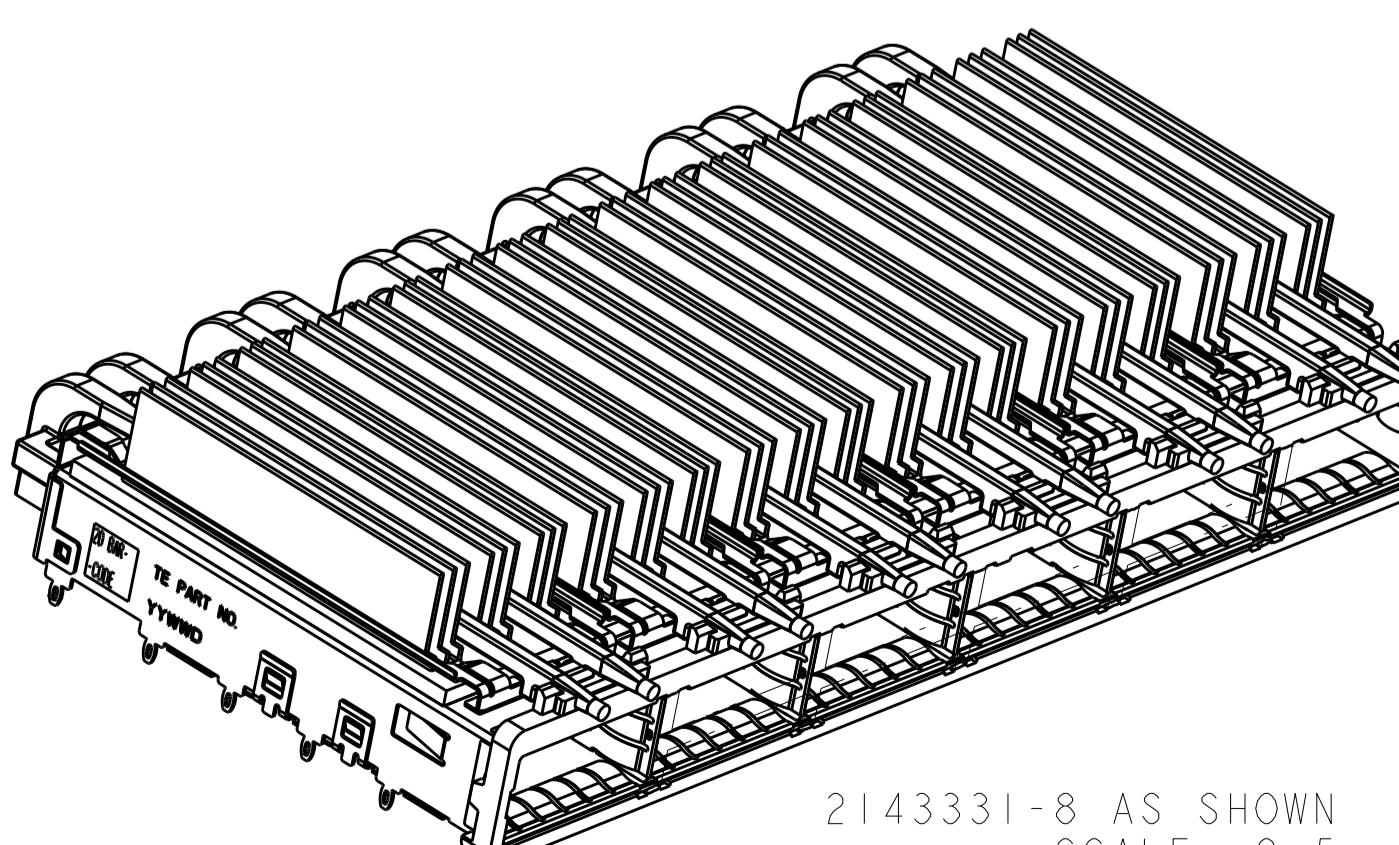
11) MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.  
12) SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS,  
SHOWN IN DETAIL S, CONTACT PC BOARD.  
13) BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.  
14) 2D BARCODE AND DATE CODE (YYWWDD) MARKED ON SIDE OF CAGE ASSEMBLY.



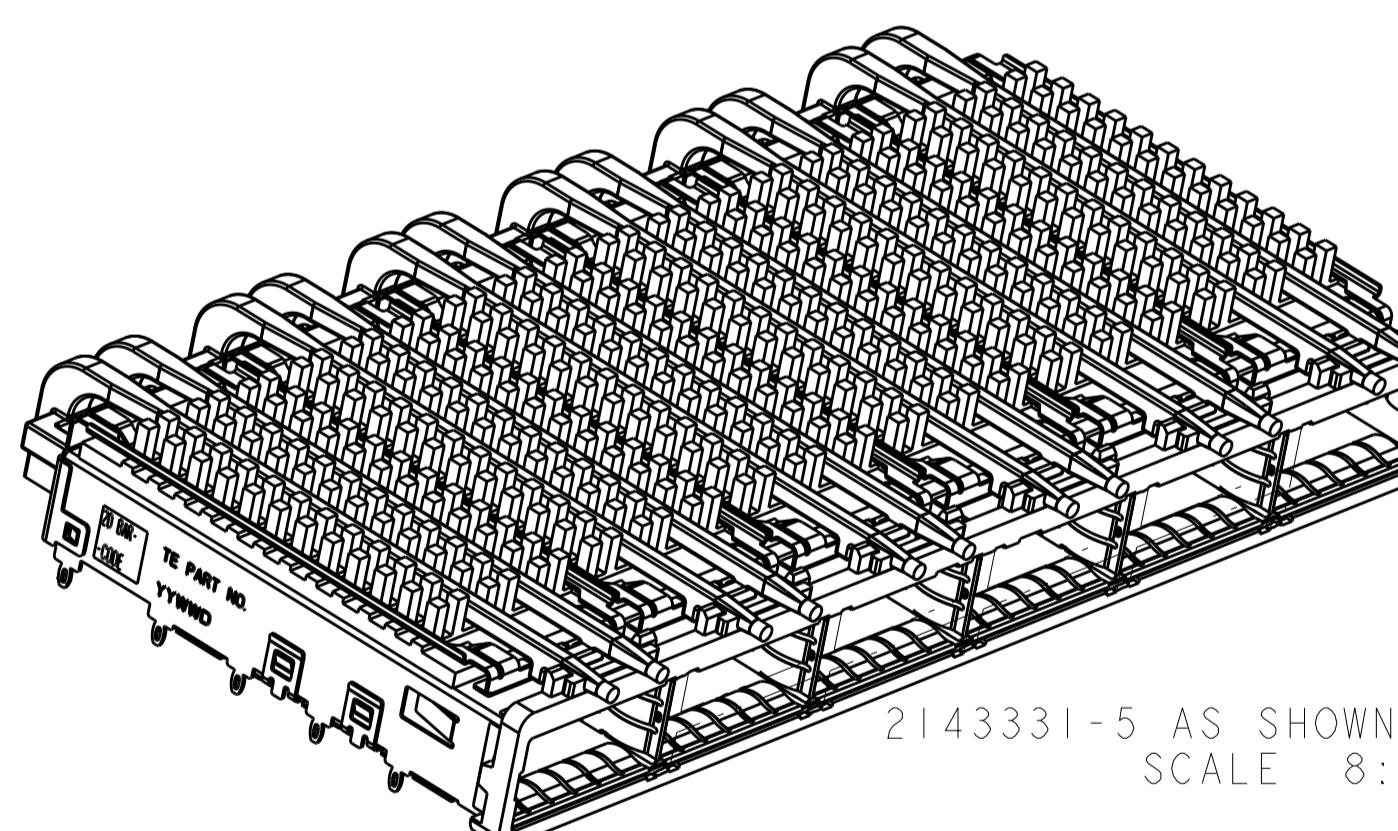
EMI SPRINGS



2143331-7 AS SHOWN  
SCALE 8:5



2143331-8 AS SHOWN  
SCALE 8:5

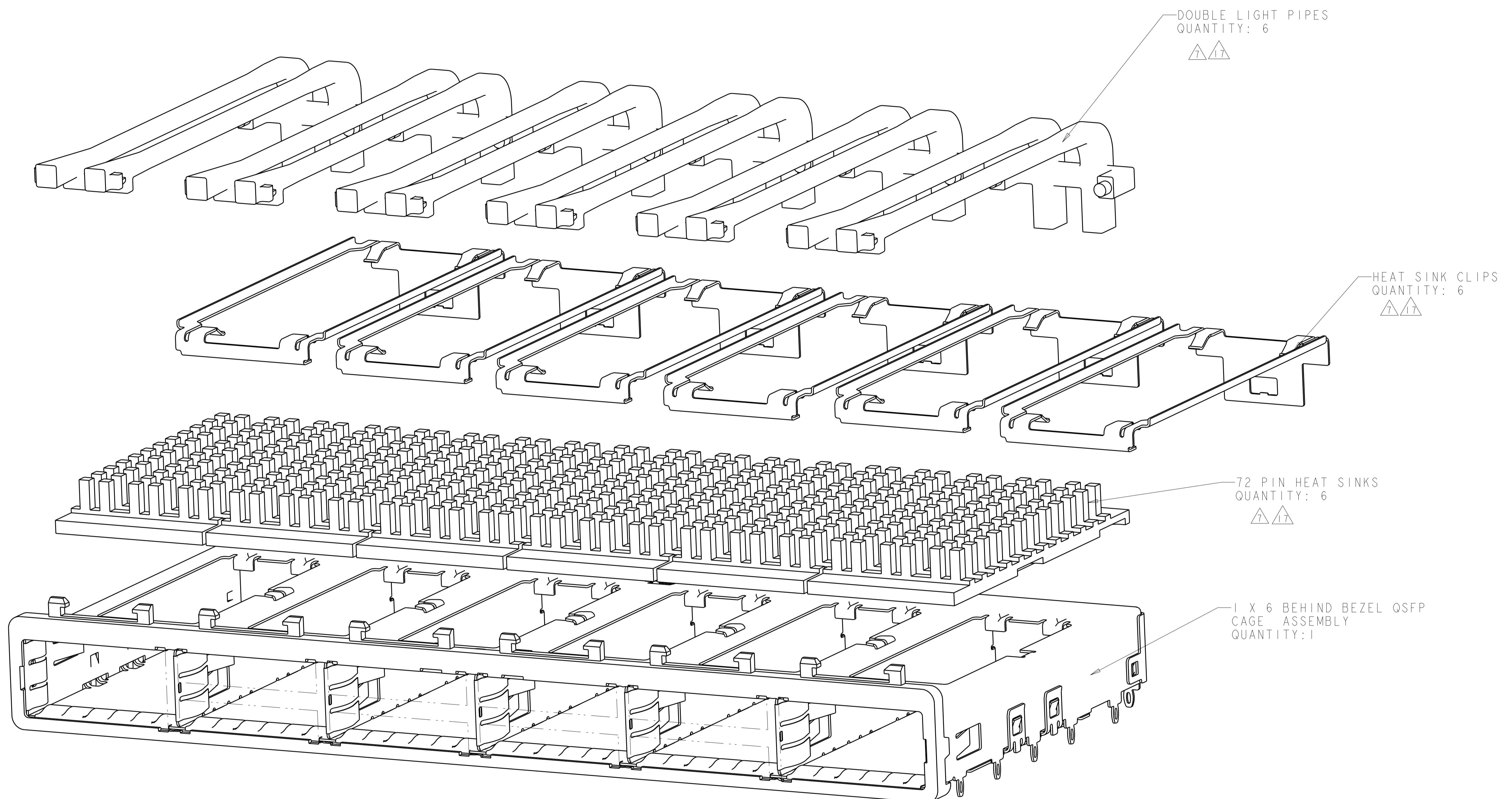


2143331-5 AS SHOWN  
SCALE 8:5

ROUND LIGHT PIPE	2.00	21.0	FIN TYPE	2143331-8
N/A	N/A	15.0	FIN TYPE	2143331-7
ROUND	23.0		NETWORKING	2143331-6
LIGHT	16.0		SAN	2143331-5
PIPES	13.7		PCI	2143331-4
				2143331-3
SQUARE	23.0		NETWORKING	2143331-3
LIGHT	16.0		SAN	2143331-2
PIPES	13.7		PCI	2143331-1
LIGHT PIPE TYPE	A	B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		18MAR2010	C. VALENTINE
		18MAR2010	J. PETERSON
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		0 PLC	±0.20
		1 PLC	±0.10
		2 PLC	±0.15
		3 PLC	±0.10
		4 PLC	±0.10
MATERIAL		ANGLES:	
		FINISH:	
		16	
NAME: IX6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP		SIZE: CAGE CODE: DRAWING NO:	Customer Drawing
		REV: B1	
		SCALE: 3:1	OF 6

LOC	DIST	REVISIONS						
		GP	00	P LTR	DESCRIPTION	DATE	DNW	APV0
				-	SEE SHEET 1	-	-	-

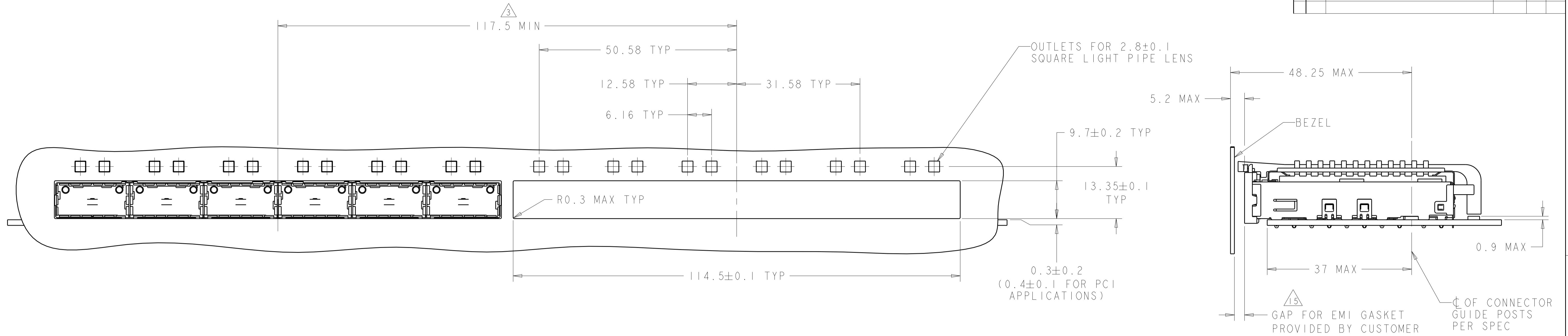


THIS DRAWING IS A CONTROLLED DOCUMENT.		18MAR2010	TE Connectivity
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME: Ix6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP
0 PLC 1 PLC $\pm 0.1$ 2 PLC $\pm 0.1$ 3 PLC $\pm 0.1$ 4 PLC $\pm 0.1$ ANGLES $\pm 1$		APV0 J. PETERSON 18MAR2010 PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218 MATERIAL: - FINISH: -	SIZE: CAGE CODE: DRAWING NO: A100779C=214331 WEIGHT: - RESTRICTED TO: -
Customer Drawing			

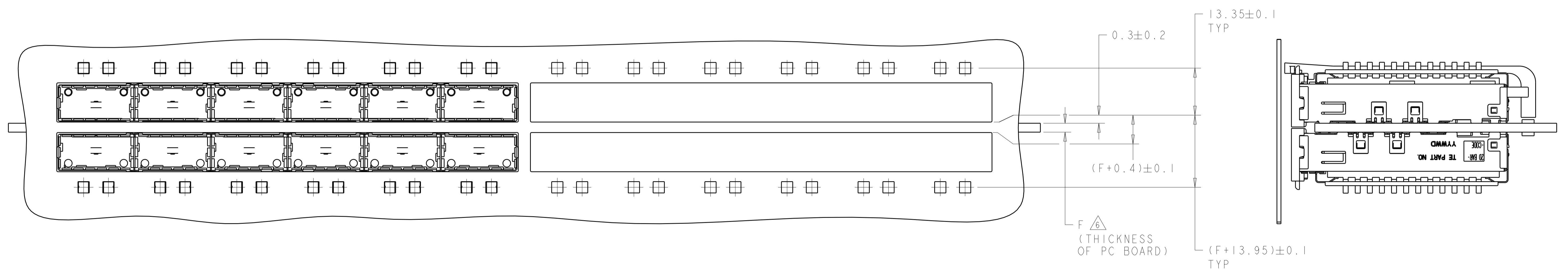
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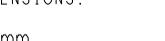
DIST 00	REVISIONS					
	P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1		-	-	-



ONE SIDED CONFIGURATION  
WITH SQUARE LIGHT PIPES  
SCALE 2:1



BELLY TO BELLY CONFIGURATION  
WITH SQUARE LIGHT PIPES  
SIMILAR TO ONE SIDED  
EXCEPT WHERE NOTED  
SCALE 2:1

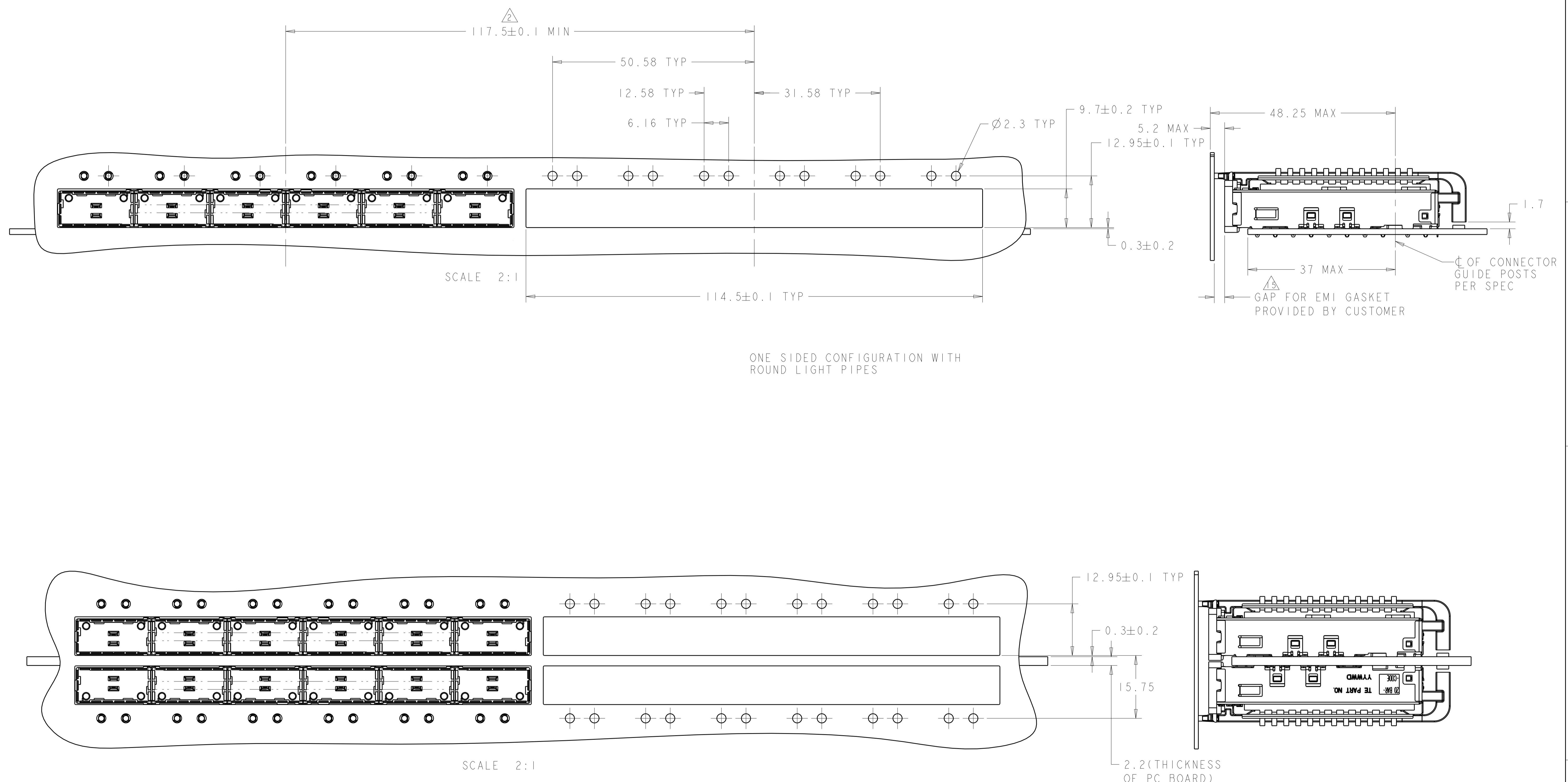
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 18MAR2010 C. VALENTINE	 TE Connectivity	
		CHK 18MAR2010 J. PETERSON		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		
		0 PLC ±-	APVD 18MAR2010 J. PETERSON	
		1 PLC ±0.1	PRODUCT SPEC	
		2 PLC ±0.1	108-2286	
		3 PLC ±-	APPLICATION SPEC	
		4 PLC ±-	114-13218	
ANGLES		±-		
MATERIAL		FINISH	WEIGHT	
-		-	-	
-		-		
Customer Drawing				
		SCALE 4:1	SHEET 2 OF 6	REV B

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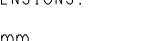
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114

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



BELLY TO BELLY CONFIGURATION  
WITH ROUND LIGHT PIPES  
SIMILAR TO ONE SIDED  
EXCEPT WHERE NOTED

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 18MAR2010	 <b>TE</b> TE Connectivity		
		CHK J. PETERSON 18MAR2010			
<b>DIMENSIONS:</b> mm 		<b>TOLERANCES UNLESS OTHERWISE SPECIFIED:</b> 0 PLC ±- 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±- 4 PLC ±- <b>ANGLES</b> ±-	APVD J. PETERSON 18MAR2010 PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218		
			<b>NAME</b> 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP		
		<b>SIZE</b> A 1	<b>CAGE CODE</b> 00779	<b>DRAWING NO</b> C-2143331	<b>RESTRICTED TO</b> -
<b>MATERIAL</b> - -		<b>FINISH</b> - -	<b>WEIGHT</b> -		
Customer Drawing					
		<b>SCALE</b> 2:1	<b> SHEET</b> 4	<b>OF</b> 6	<b>REV</b> B

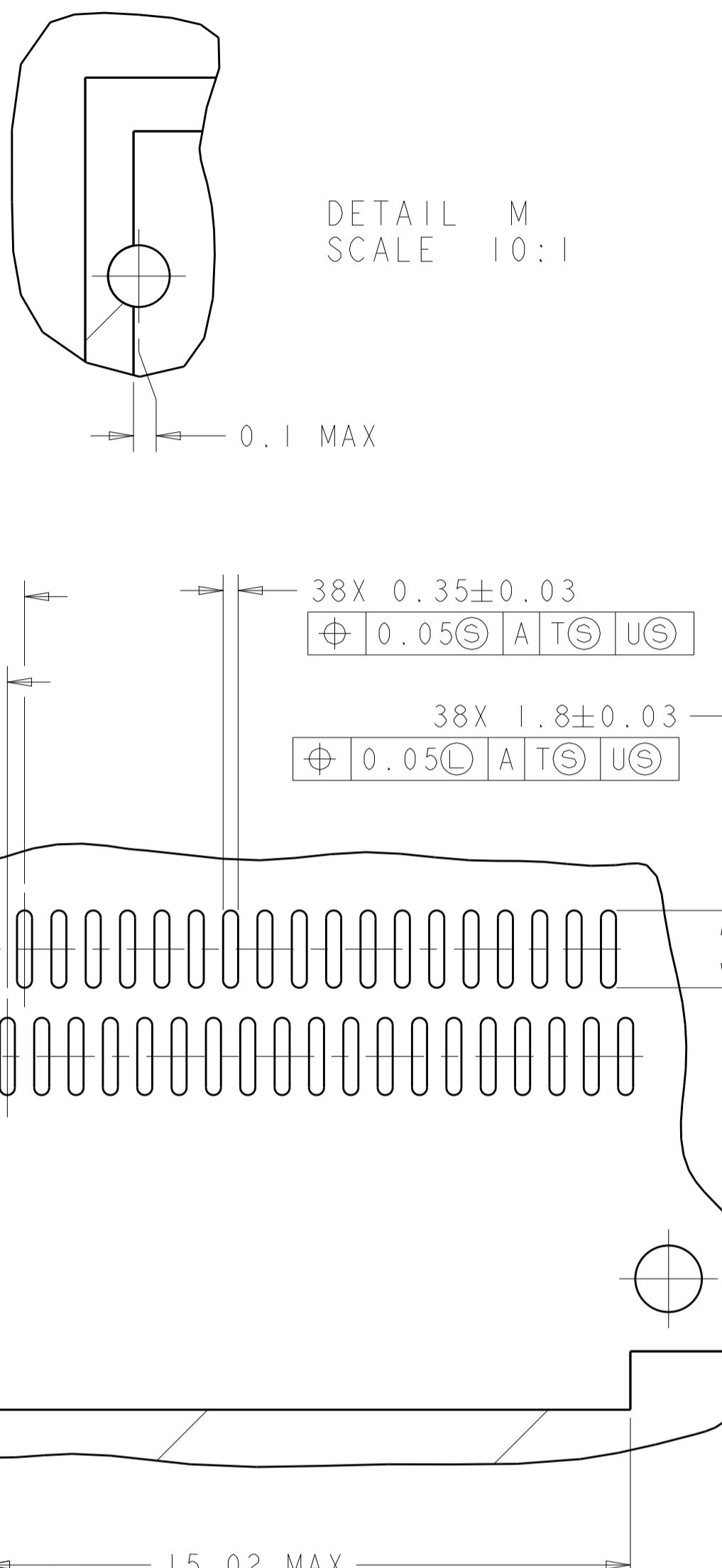
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Technical drawing showing a top-down view of a component. The drawing includes the following features and dimensions:

- Horizontal dimensions: 114.2 MAX (top) and 116 MIN (bottom).
- Vertical dimensions: 12x Ø OF LED (left) and SEE DETAIL J (right).
- Material thickness: 12 (indicated by a triangle symbol).
- Bottom surface features: A series of vertical lines and a series of horizontal lines.
- Top surface features: A series of circular holes arranged in a grid pattern, with a callout to detail J pointing to the center of the grid.
- Bottom edge features: A series of rectangular cutouts along the bottom edge.
- Bottom hole pattern: A series of circular holes along the bottom edge, with a callout to detail J pointing to the center of the pattern.
- Callout detail: Detail J shows a 39X (1.05) feature with a diameter of Ø 0.1 (M) A T (S) U (S).
- Part numbers: 19 (repeated five times) and 18.5.
- Part numbers on the left: 1, 9, and 9.

RECOMMENDED PC BOARD LAYOUT  
SINGLE SIDE MOUNT CONFIGURATION  
SCALE 3:1



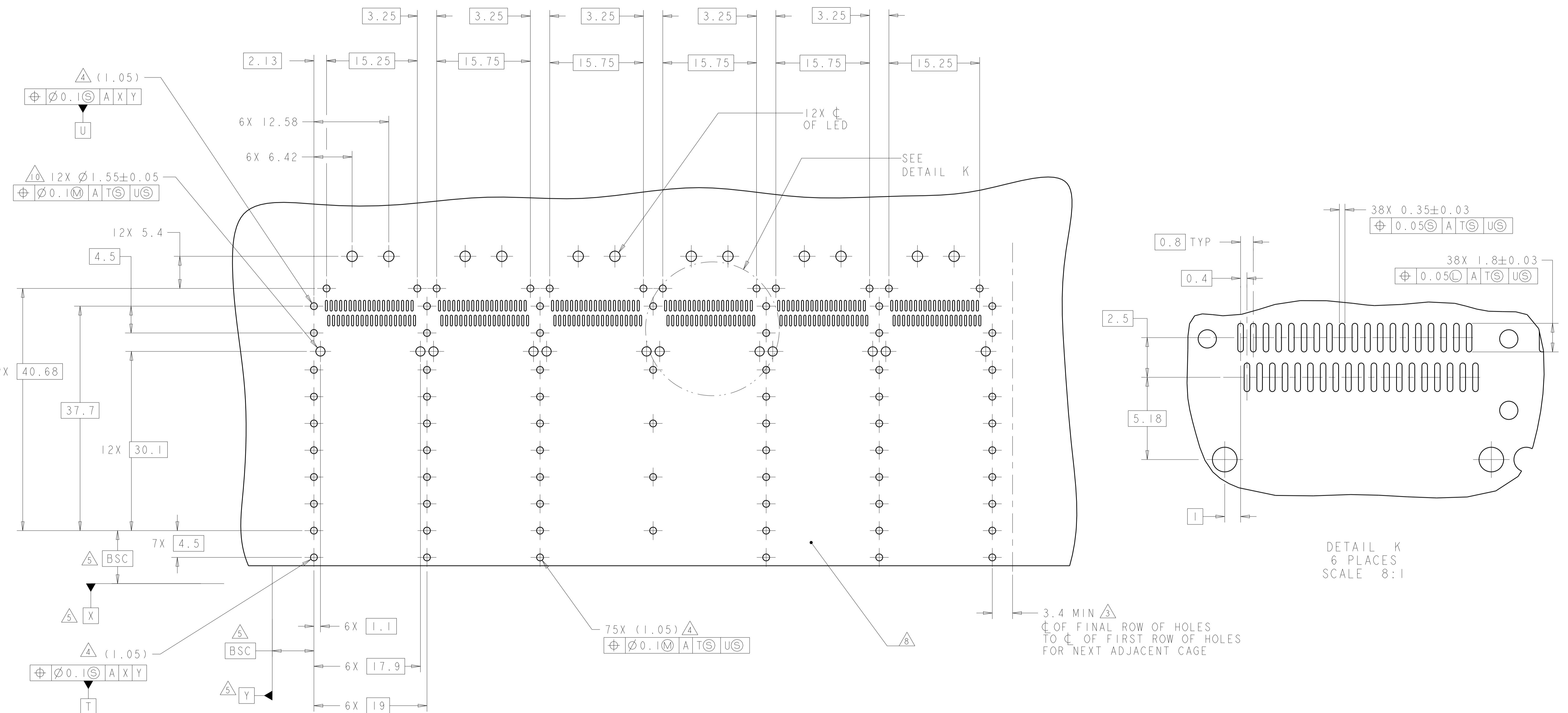
DETAIL J  
6 PLACES  
SCALE 8 : 1

—AREA DENOTES COMPONENT  
KEEP-OUT (TRACES PERMITTED)

—CROSS-HATCHED AREA DENOTES  
COMPONENT AND TRACE KEEP-OUT  
(EXCEPT CHASSIS GROUND)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 18MAR2010 C. VALENTINE	 <b>TE</b> TE Connectivity							
		CHK 18MAR2010 J. PETERSON								
DIMENSIONS:		APVD 18MAR2010 J. PETERSON								
mm		PRODUCT SPEC								
		108-2286								
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC								
0 PLC	±-	114-13218								
1 PLC	±0.1									
2 PLC	±0.1									
3 PLC	±-									
4 PLC	±-									
ANGLES	±-									
MATERIAL		FINISH	WEIGHT	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
-		-	-	A 1	00779	C-2143331	-			
-		-		SCALE	4:1	SHEET	5	OF	6	REV
			Customer Drawing							B1

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		18MAR2010	18MAR2010	TE Connectivity
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME: IX6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP
0 PLC	±0.1	1 PLC	±0.1	CH: J. PETERSON
1 PLC	±0.1	2 PLC	±0.1	APV: J. PETERSON
3 PLC	±0.1	4 PLC	±0.1	PRODUCT SPEC: 108-2286
ANLLES	±0.1	ANLLES	±0.1	APPLICATION SPEC: 114-13218
MATERIAL:	FINISH:	WEIGHT:	SIZE: CAGE CODE: DRAWING NO: A100779C=214331	RESTRICTED TO: -
				Customer Drawing
			SCALE: 4:1	REV: B1