



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

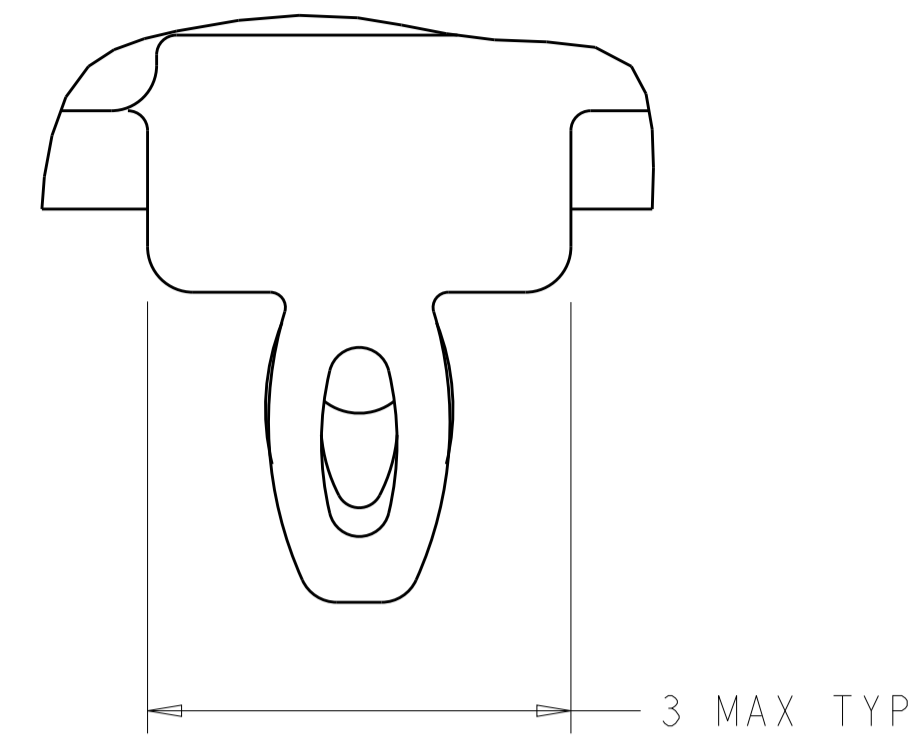
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



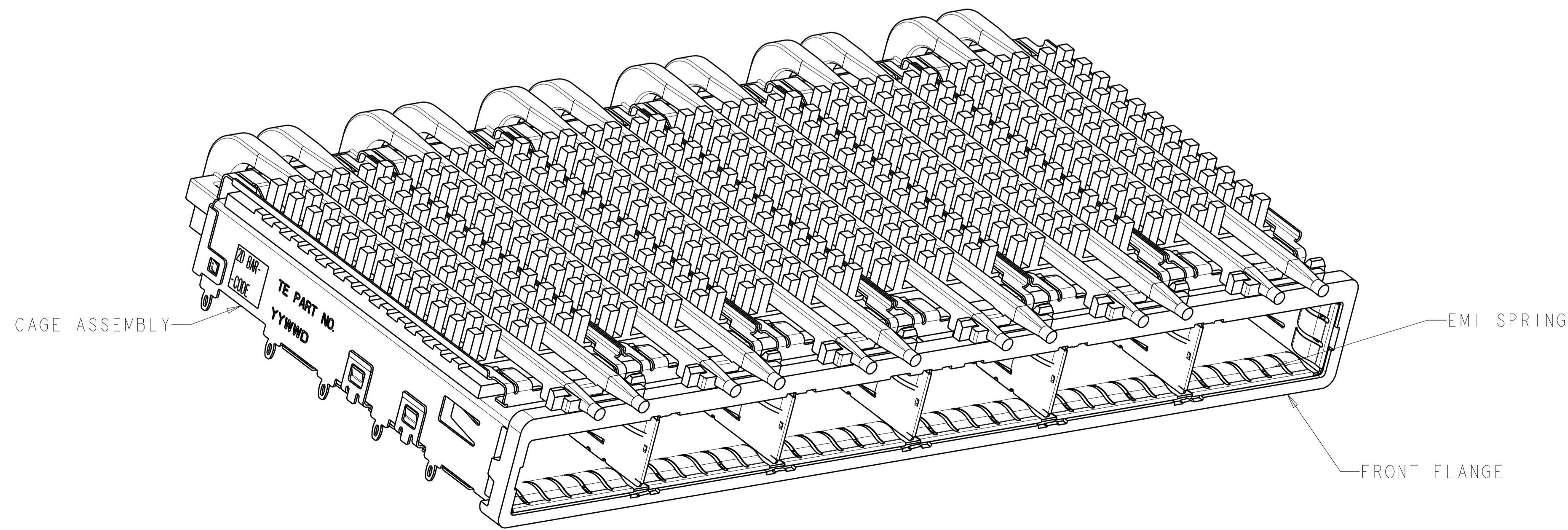
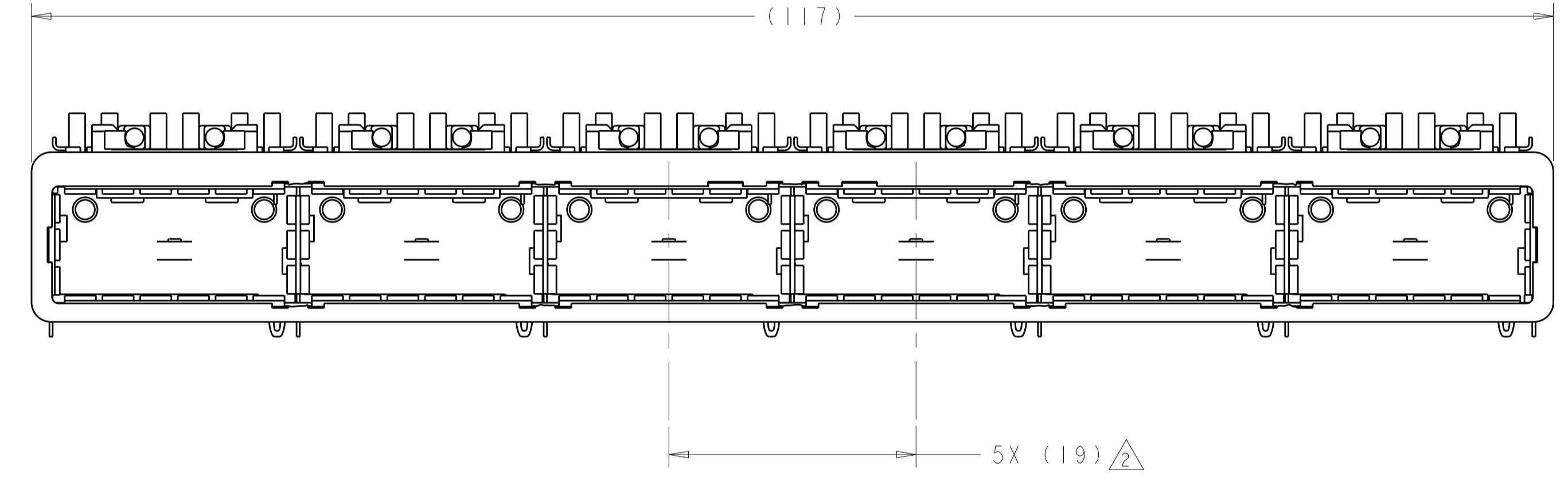
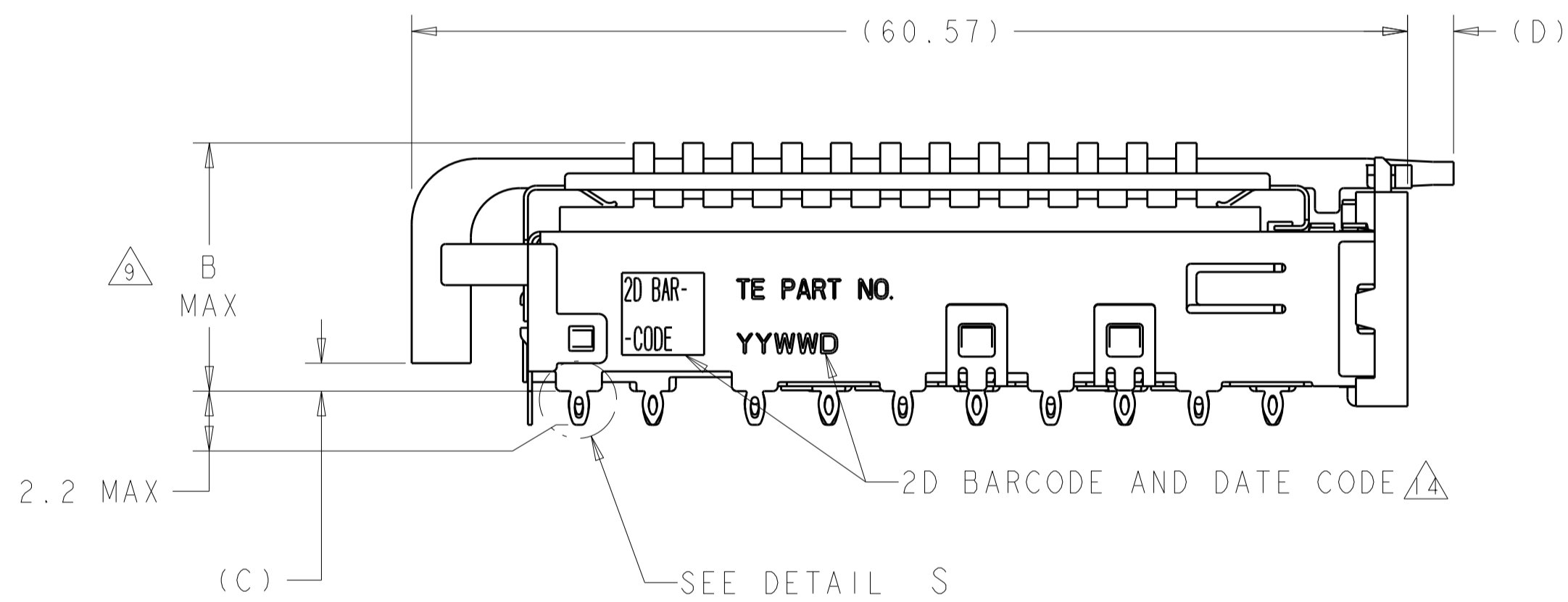
LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
GP	00	A		RELEASE TO A PER ECO-15-018552	28DEC2015	RG	SH



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 (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: 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.

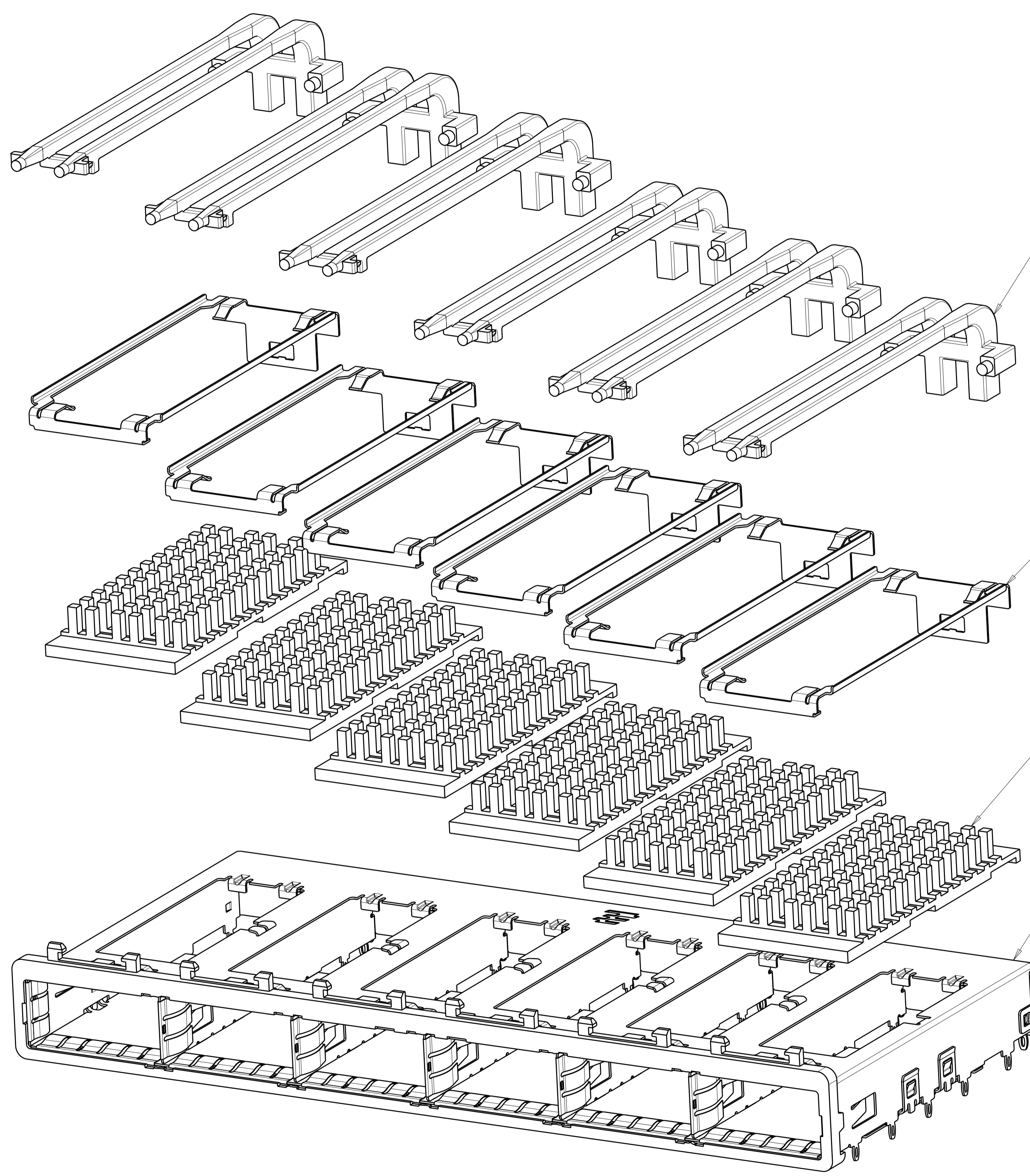


	E	D	C	B	HEAT SINK PROFILE	PART NUMBER
7	0.8-1.1	2.8	1.70	23.0	NETWORKING	2143307-3
7	0.8-1.1	2.8	1.70	16.0	SAN	2143307-2
17	0.8-1.1	2.8	1.70	13.7	PCI	2143307-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: C. VALENTINE 04MAR2010	
DIMENSIONS:		CHK: J. PETERSON 04MAR2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: J. PETERSON 04MAR2010	
0 PLC ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±		NAME: 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP PRODUCT SPEC: 108-2286 APPLICATION SPEC: 114-13218 WEIGHT: - CUSTOMER DRAWING	
MATERIAL: 1	FINISH: 16	SIZE: A1	CAGE CODE: 00779 DRAWING NO: C=2143307 SHEET 1 OF 5 REV A

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



DOUBLE LIGHT PIPES  $\triangle/\triangle$   
 QUANTITY: 6

HEAT SINK CLIPS  $\triangle/\triangle$   
 QUANTITY: 6

72 PIN HEAT SINKS  $\triangle/\triangle$   
 QUANTITY: 6

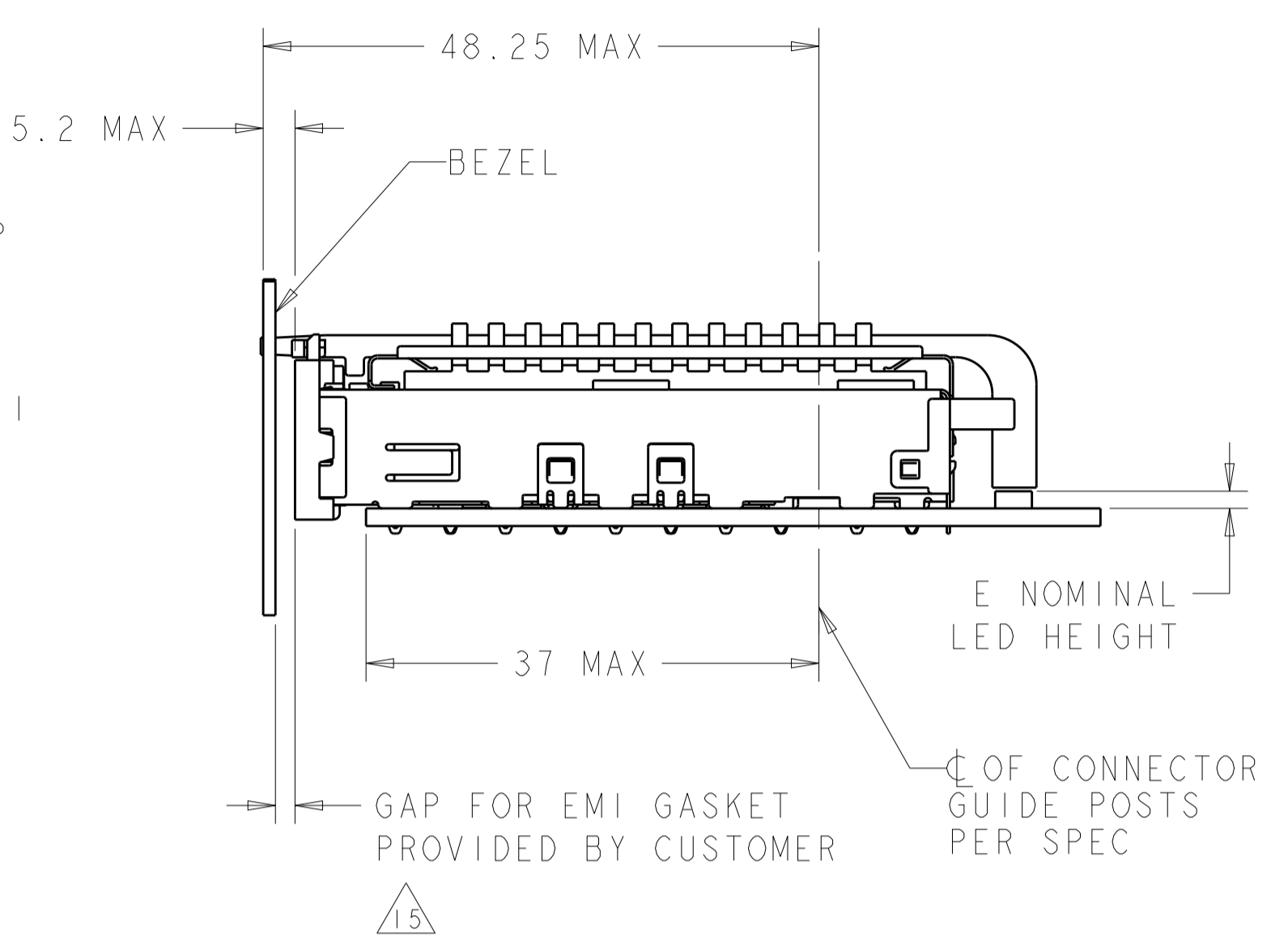
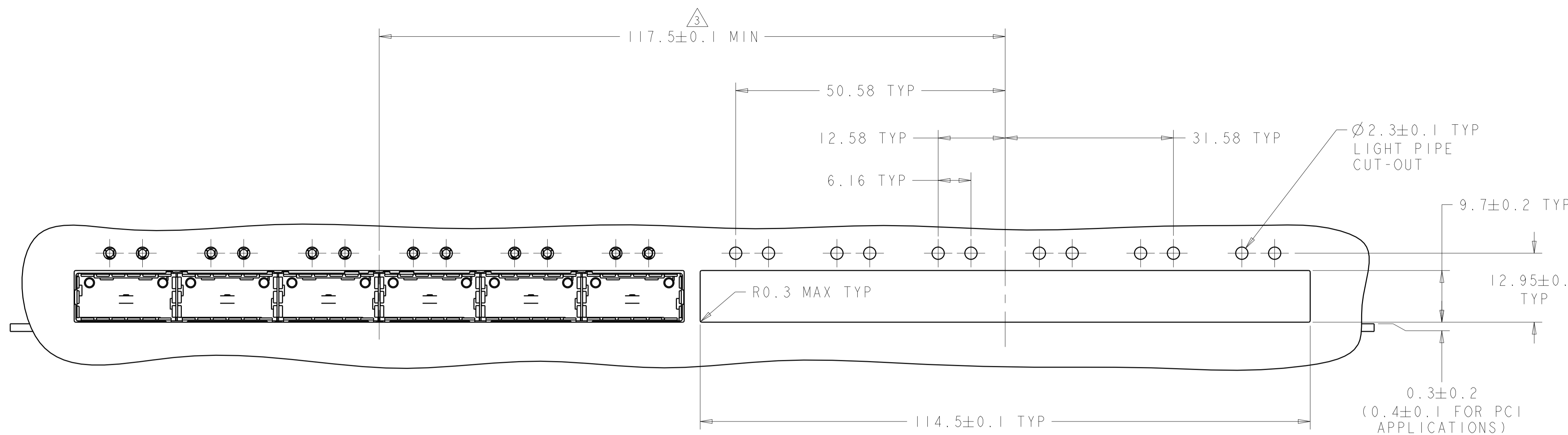
1X6 BEHIND BEZEL QSFP  
 CAGE ASSEMBLY  
 QUANTITY: 1

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 ±	1 PLC ±0.1	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO
2 PLC ±0.1	3 PLC ±0.013	108-2286	RESTRICTED TO
4 PLC ±0.0001	ANGLES ±	APPLICATION SPEC	A100779C=2143307
MATERIAL	FINISH	114-13218	SCALE 3:1 SHEET 2 OF 5 REV A
		WEIGHT	CUSTOMER DRAWING

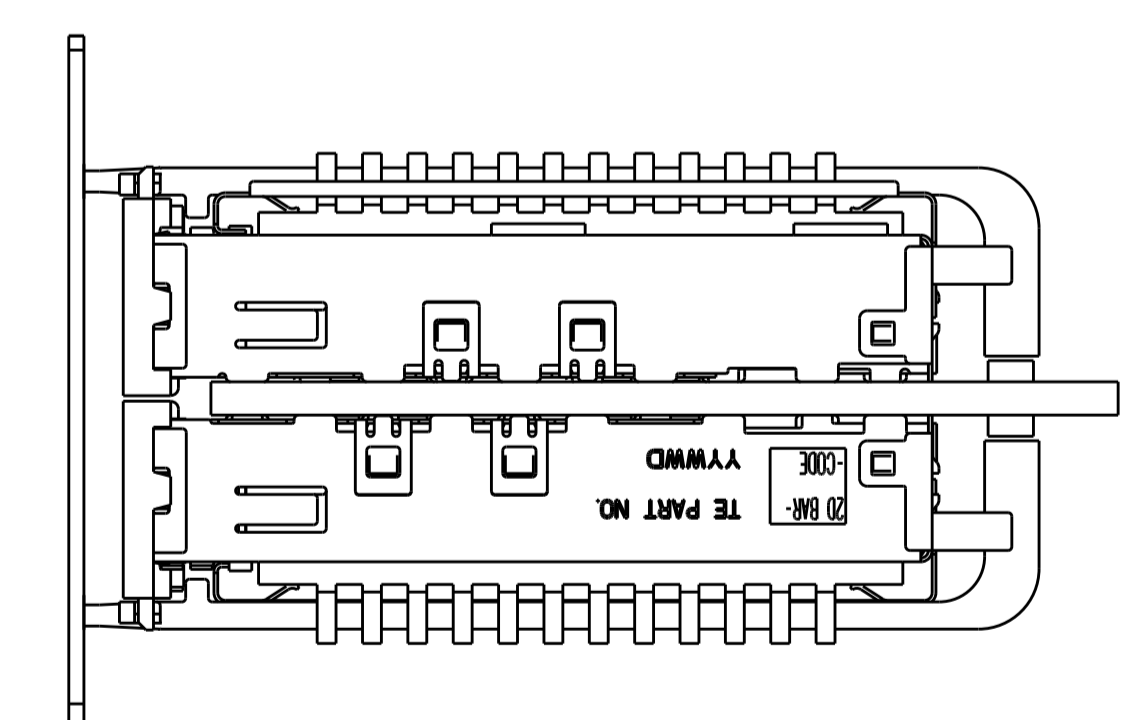
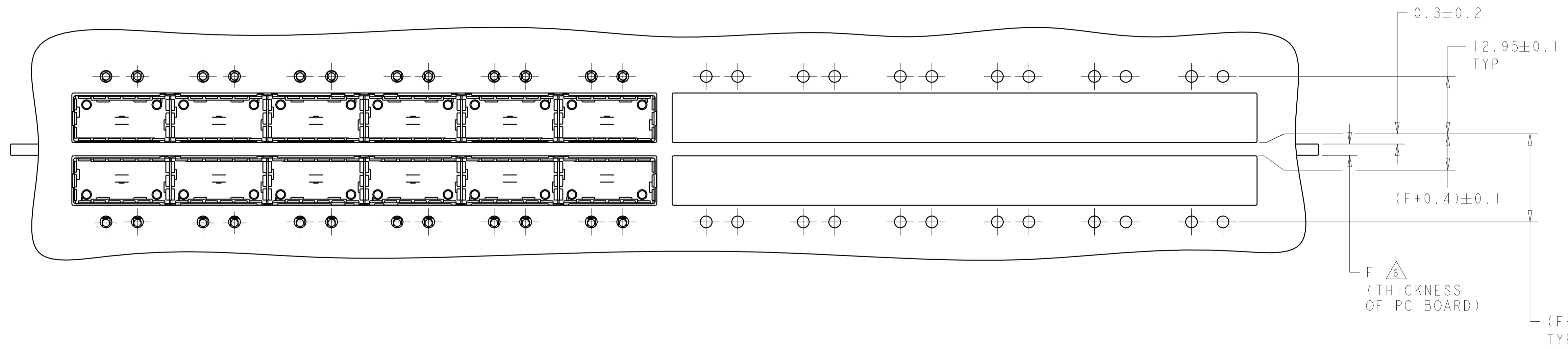
LOC	DIST	REV	DATE	BY	APPD
GP	00				

REVISIONS					
NO.	DESCRIPTION	DATE	BY	APPD	
-	SEE SHEET 1	-	-	-	-



ONE SIDED CONFIGURATION  
SCALE 2:1



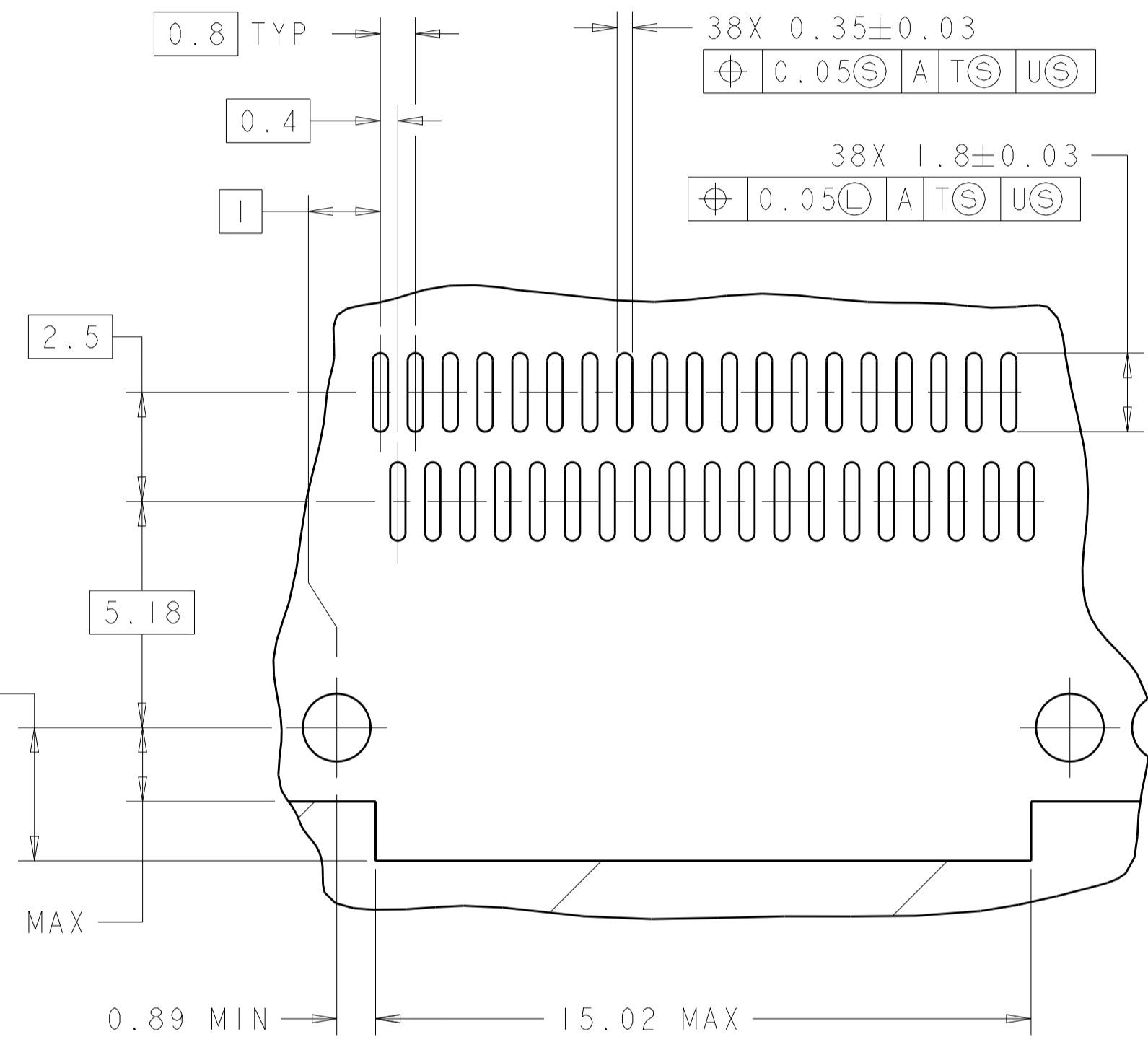
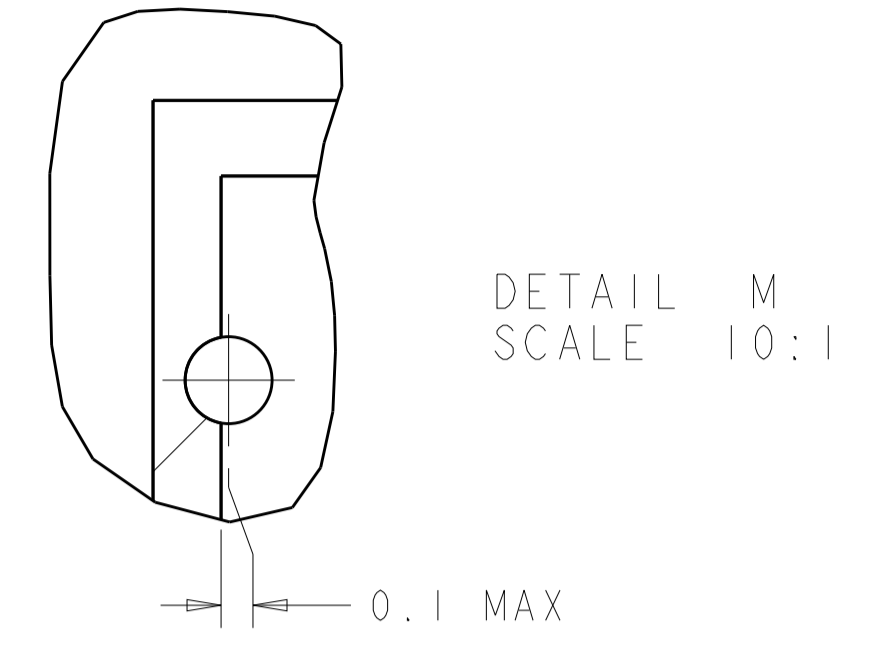
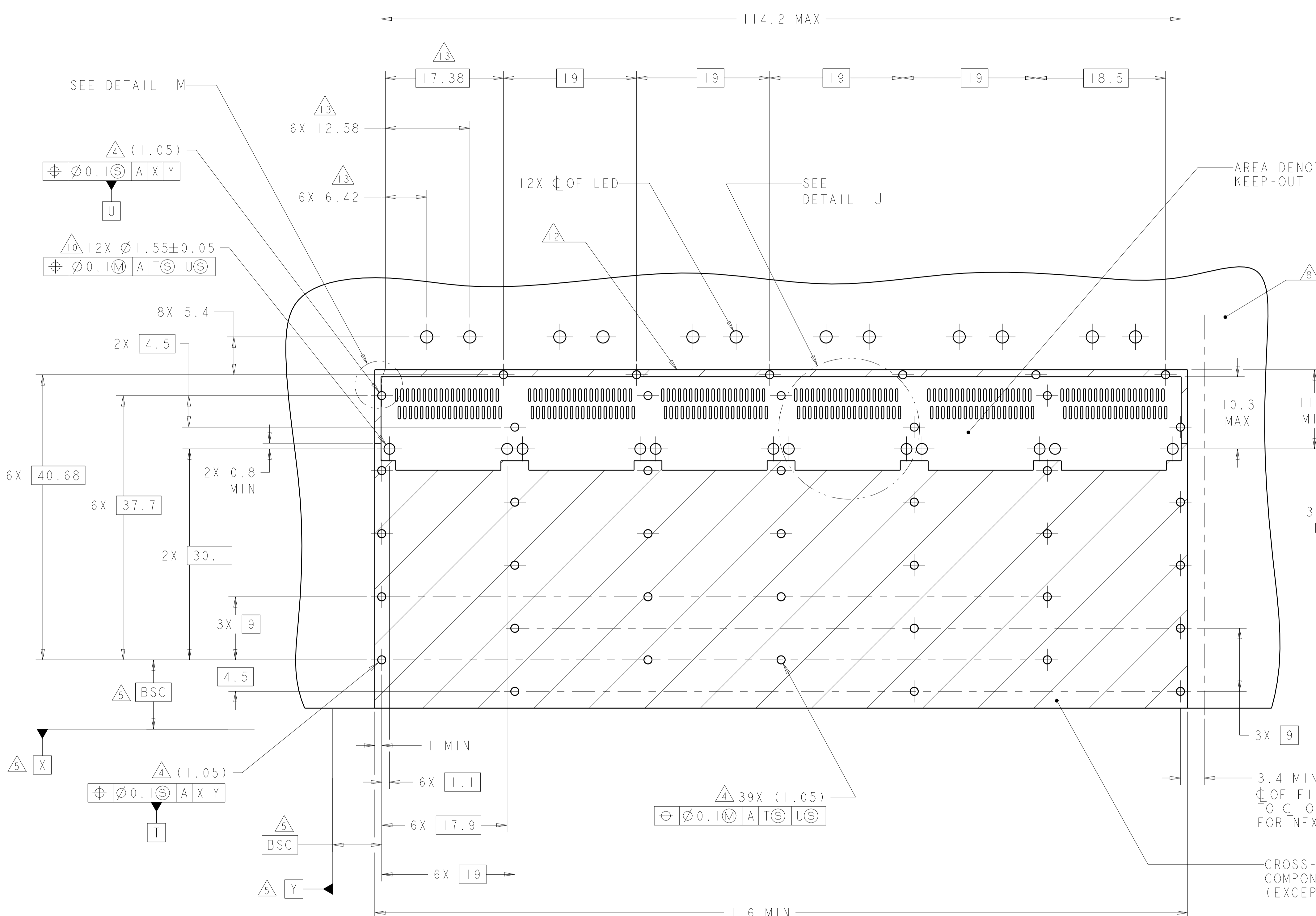
BELLY TO BELLY CONFIGURATION  
SIMILAR TO ONE SIDED  
EXCEPT WHERE NOTED  
SCALE 2:1

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

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	SEE SHEET 1	-	-



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

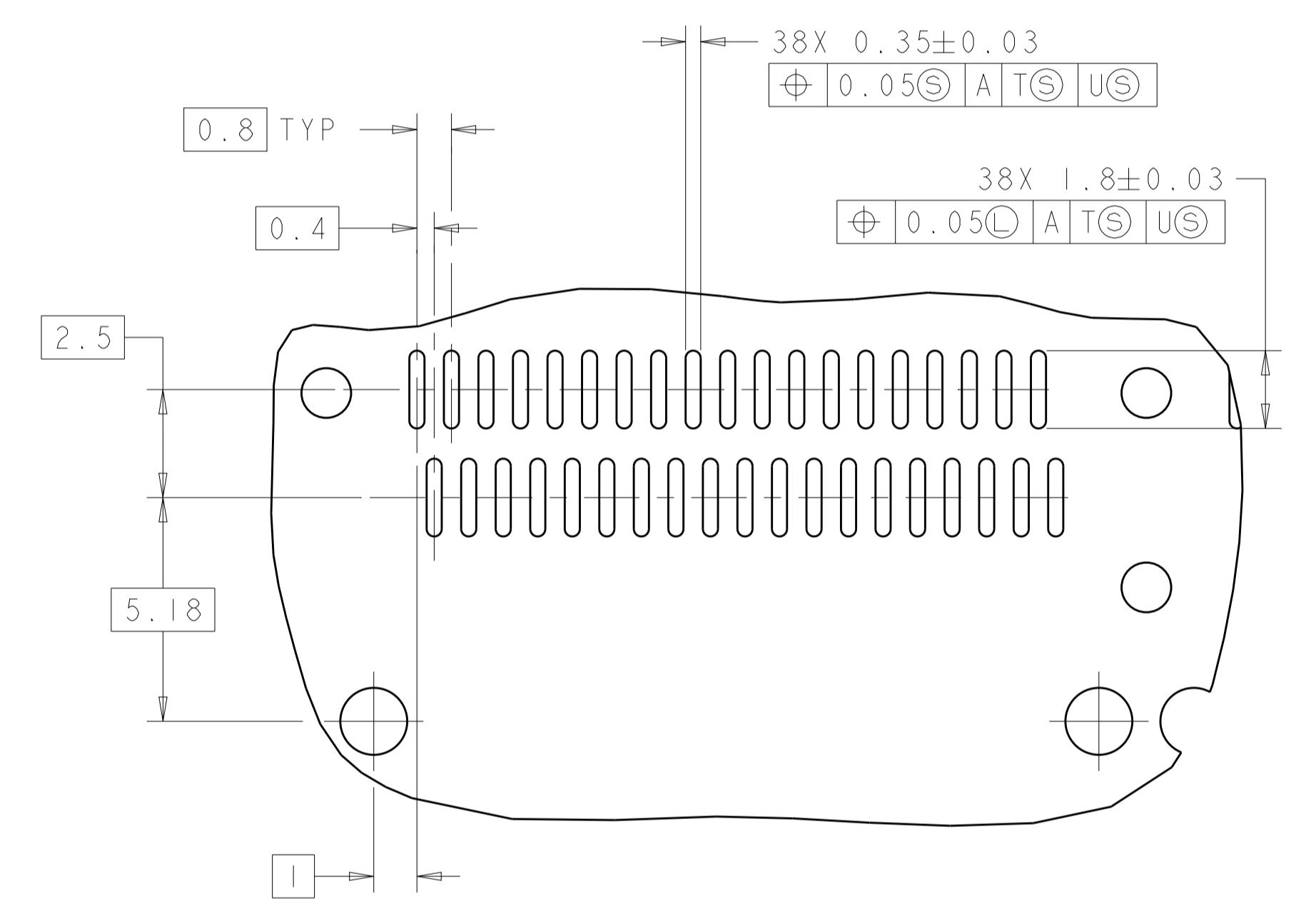
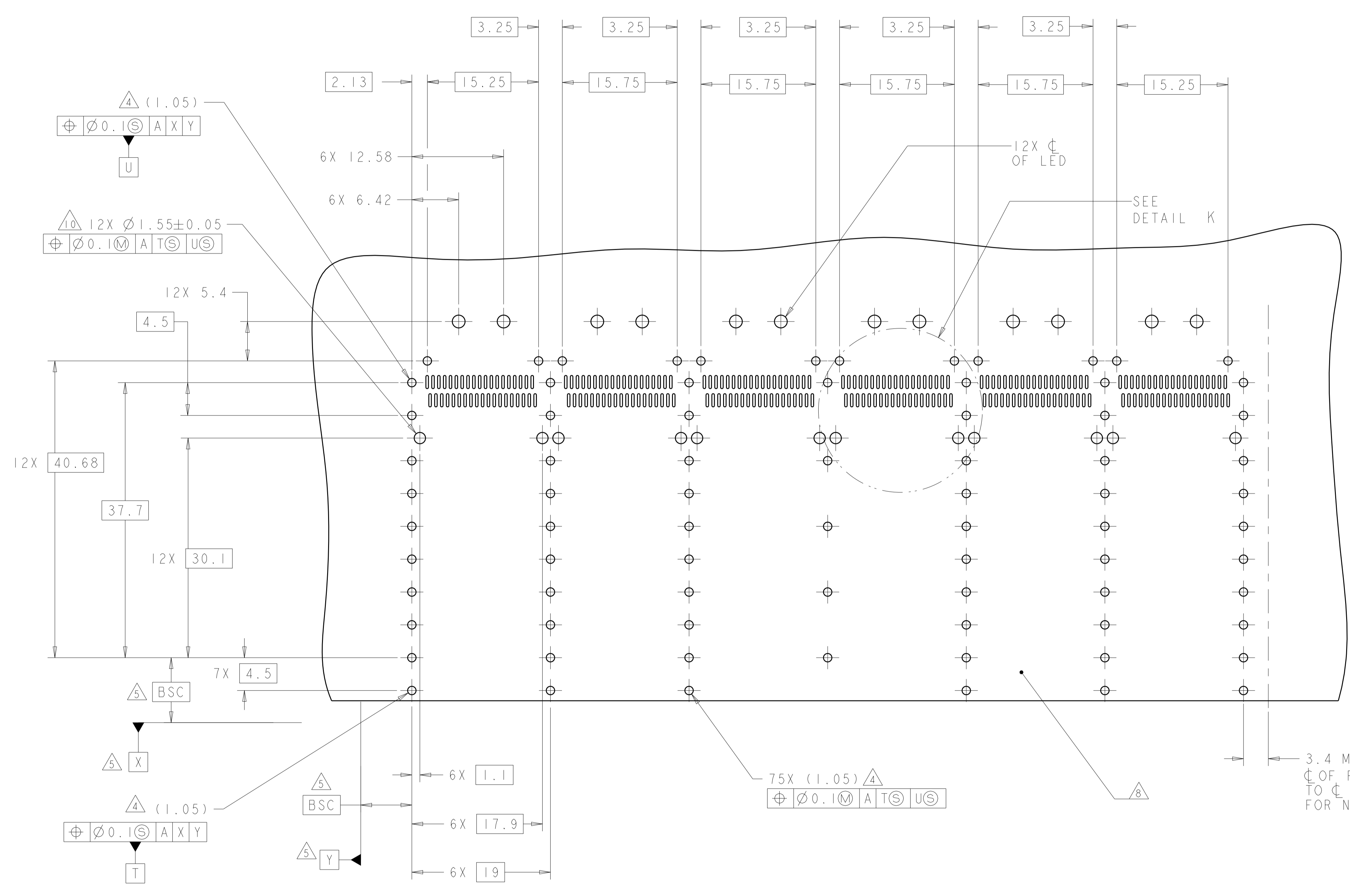
CROSS-HATCHED AREA DENOTES  
 COMPONENT AND TRACE KEEP-OUT  
 (EXCEPT CHASSIS GROUND)

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 ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±	0 PLC ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±	PRODUCT SPEC 108-2286	SIZE A100779C=2143307
MATERIAL	FINISH	APPLICATION SPEC 114-13218	RESTRICTED TO
		WEIGHT	SCALE 3:1 SHEET 4 OF 5 REV A
		CUSTOMER DRAWING	

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
REV	DATE	BY	APPV
-	-	-	-
SEE SHEET 1			



RECOMMENDED PC BOARD LAYOUT  
 BELLY TO BELLY CONFIGURATION  
 SEE SHEET 4 FOR COMPONENT AND TRACE KEEP-OUTS  
 SCALE 3:1

3.4 MIN  $\phi$   
 $\phi$  OF FINAL ROW OF HOLES  
 TO  $\phi$  OF FIRST ROW OF HOLES  
 FOR NEXT ADJACENT CAGE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: C. VALENTINE 04MAR2010 CHK: J. PETERSON 04MAR2010 APVD: J. PETERSON 04MAR2010	TE Connectivity
DIMENSIONS: mm TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC $\pm 0.1$ 1 PLC $\pm 0.1$ 2 PLC $\pm 0.1$ 3 PLC $\pm 0.13$ 4 PLC $\pm 0.001$ ANGLES $\pm 0.001$		NAME: 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP PRODUCT SPEC: 108-2286 APPLICATION SPEC: 114-13218 WEIGHT: -	
MATERIAL: - FINISH: -		WEIGHT: - CUSTOMER DRAWING	SIZE: A1 CAGE CODE: 00779 DRAWING NO: C=2143307 RESTRICTED TO: - SCALE: 3:1 SHEET 5 OF 5 REV A