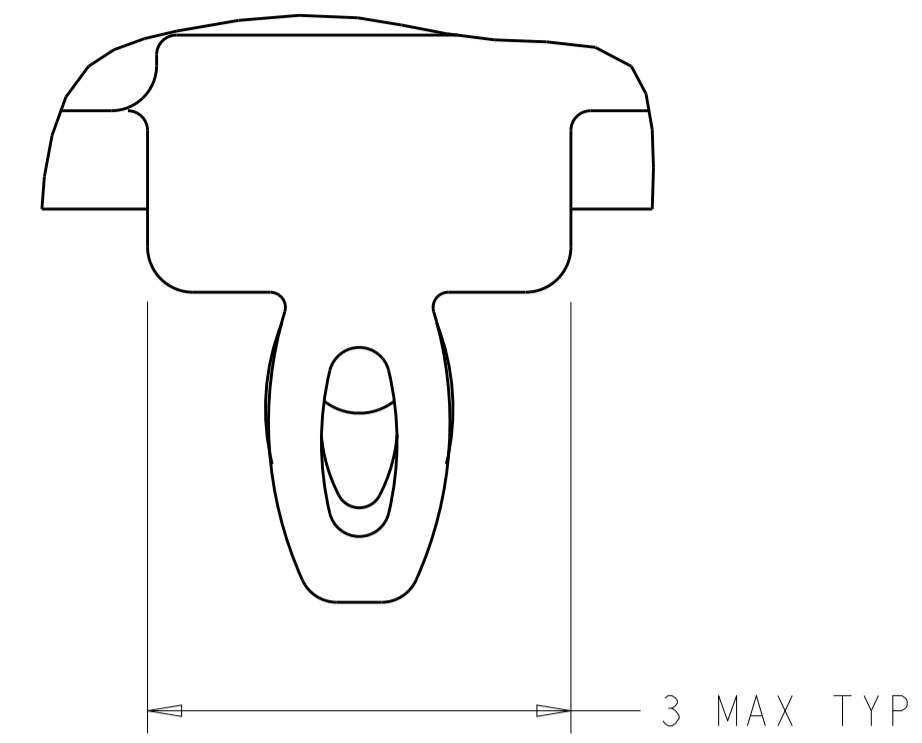


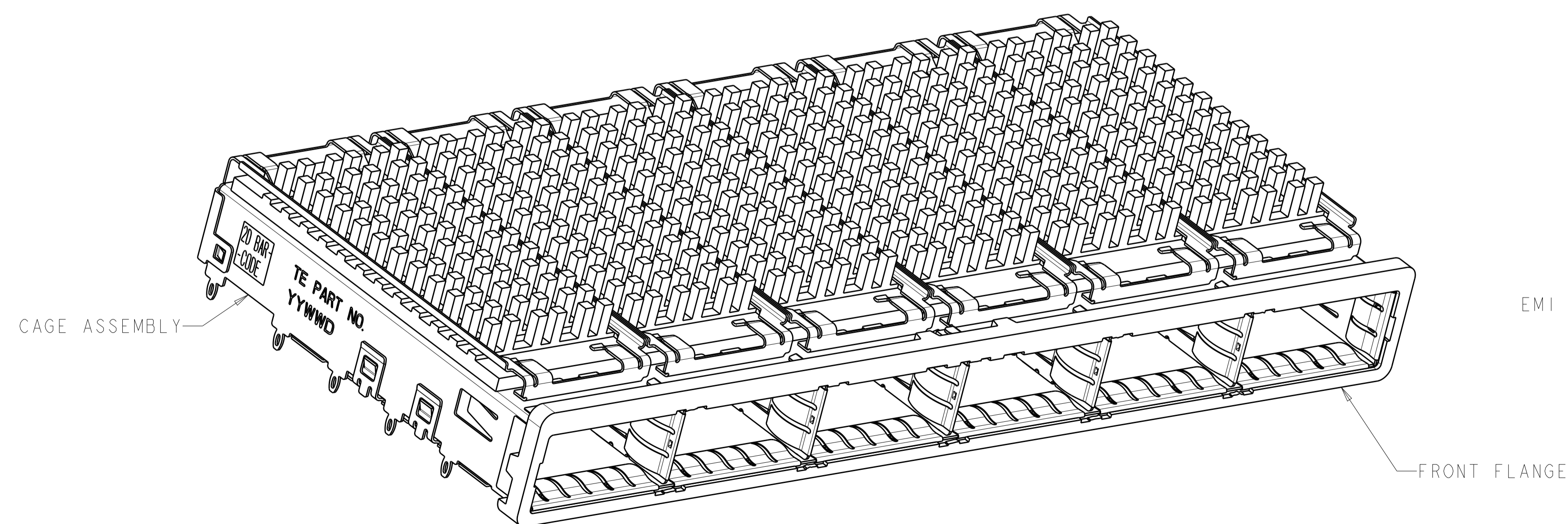
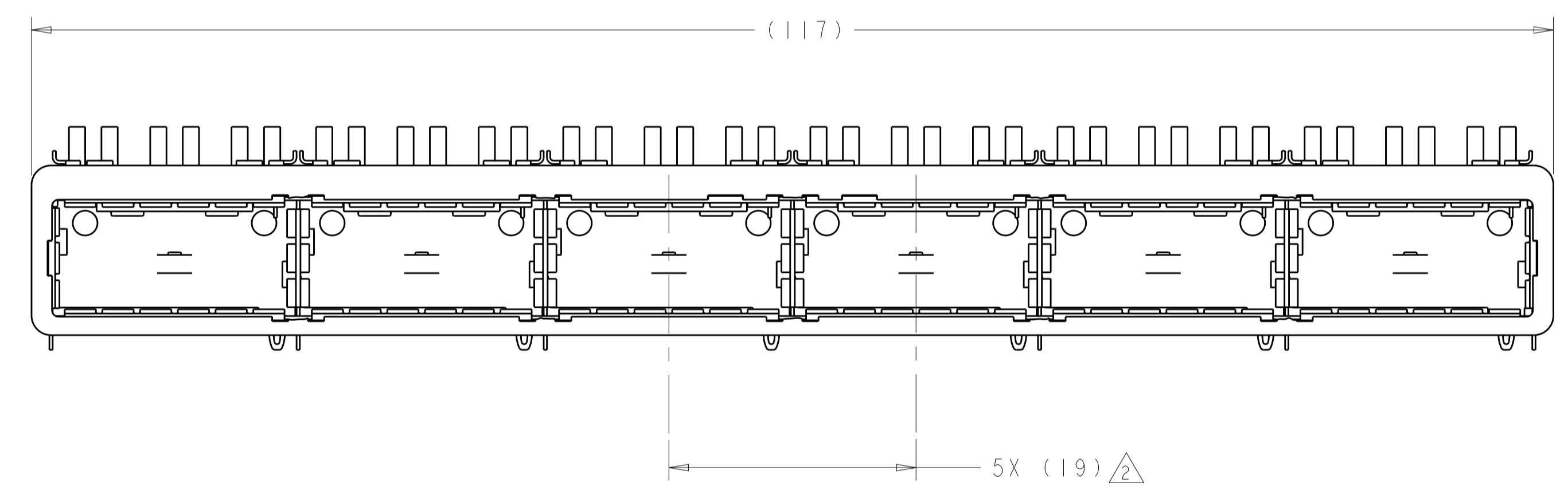
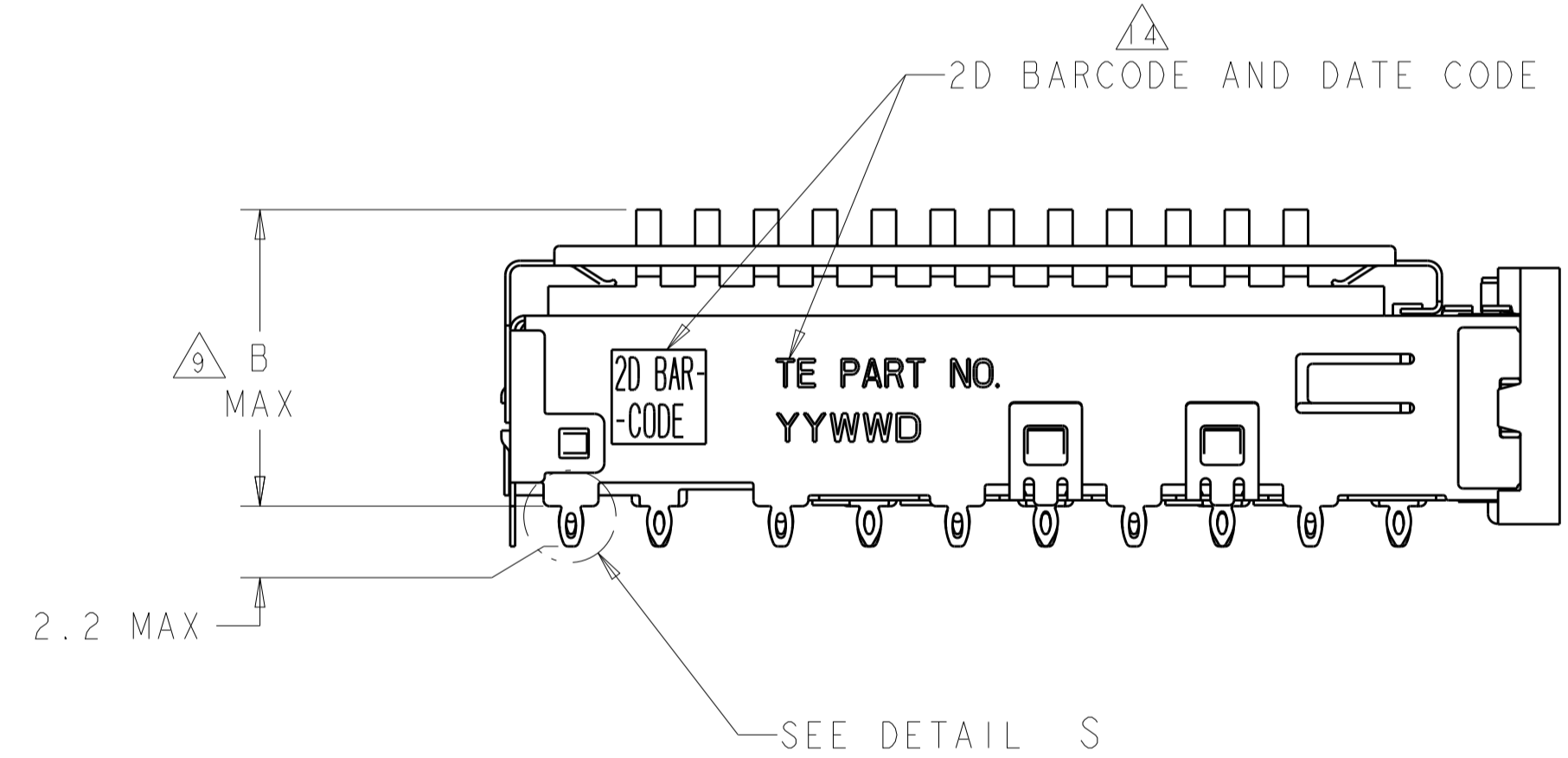
LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
GP	00	4		UPDATED VIEWS	30MAR2011	AL	CW
		5		REVISED PER ECO-12-003841	14MAR2012	TY	KS
		6		REVISED PER ECO-12-005533	05APR2012	JY	AC
		A		REVISED PER ECO-15-000148	10APR2015	RG	MC



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
- 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 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: 2um MINIMUM TIN  
 FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL  
 OVER 5.08um MINIMUM COPPER.  
 HEAT SINK FINISH: NICKEL



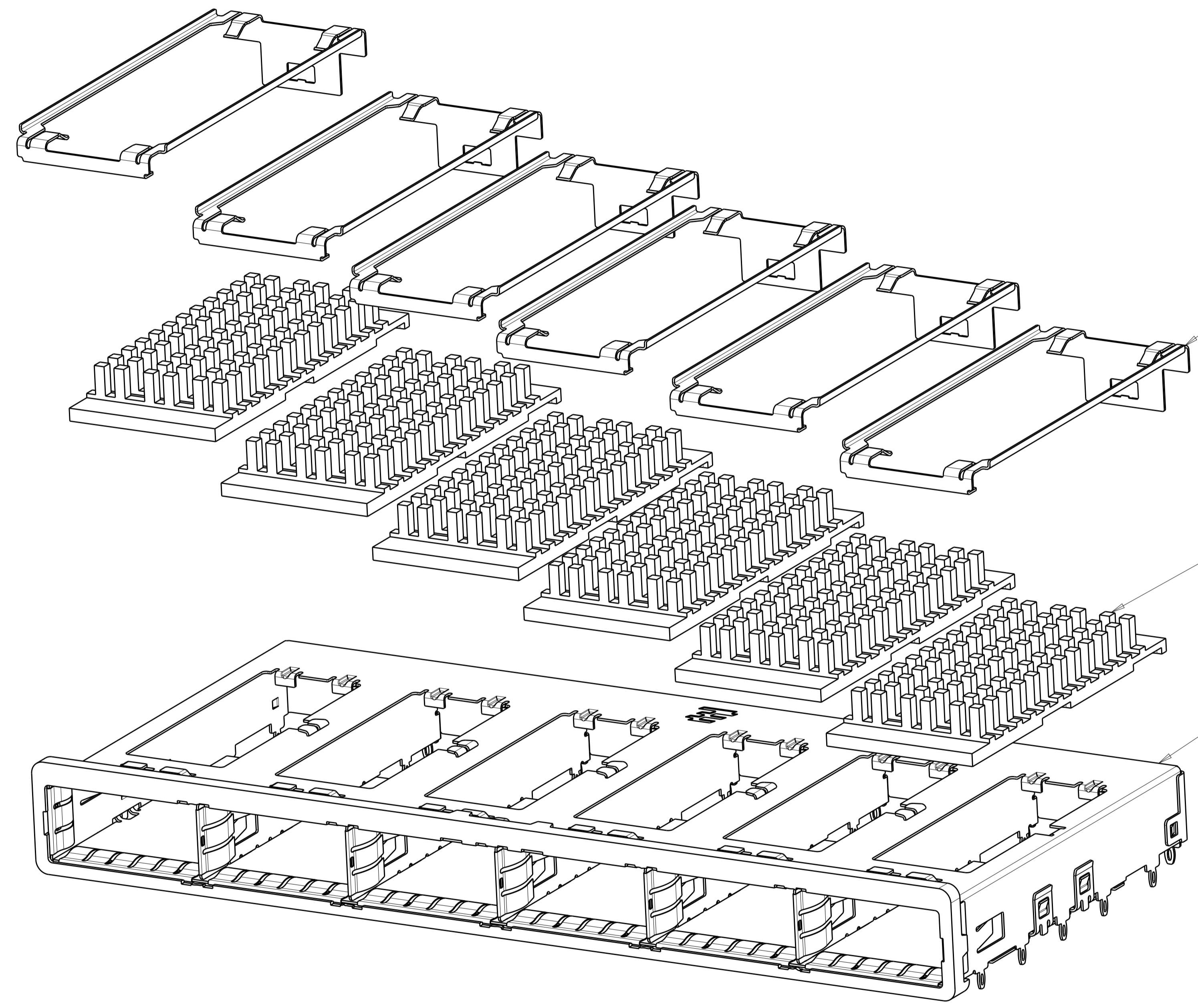
23.0	NETWORKING	2143330-3
16.0	SAN	2143330-2
13.7	PCI	2143330-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN C. VALENTINE 17MAR2010	NAME	1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
mm	0 PLC ±0.1	CHK J. PETERSON 17MAR2010	PRODUCT SPEC	108-2286
	1 PLC ±0.1	APVD J. PETERSON 17MAR2010	APPLICATION SPEC	114-13218
	2 PLC ±0.1		WEIGHT	
	3 PLC ±0.1		Customer Drawing	SCALE 3:1 SHEET 1 OF 5 REV A
	4 PLC ±0.1			
	ANGLES ±0.1			
MATERIAL	FINISH			

Customer Drawing

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



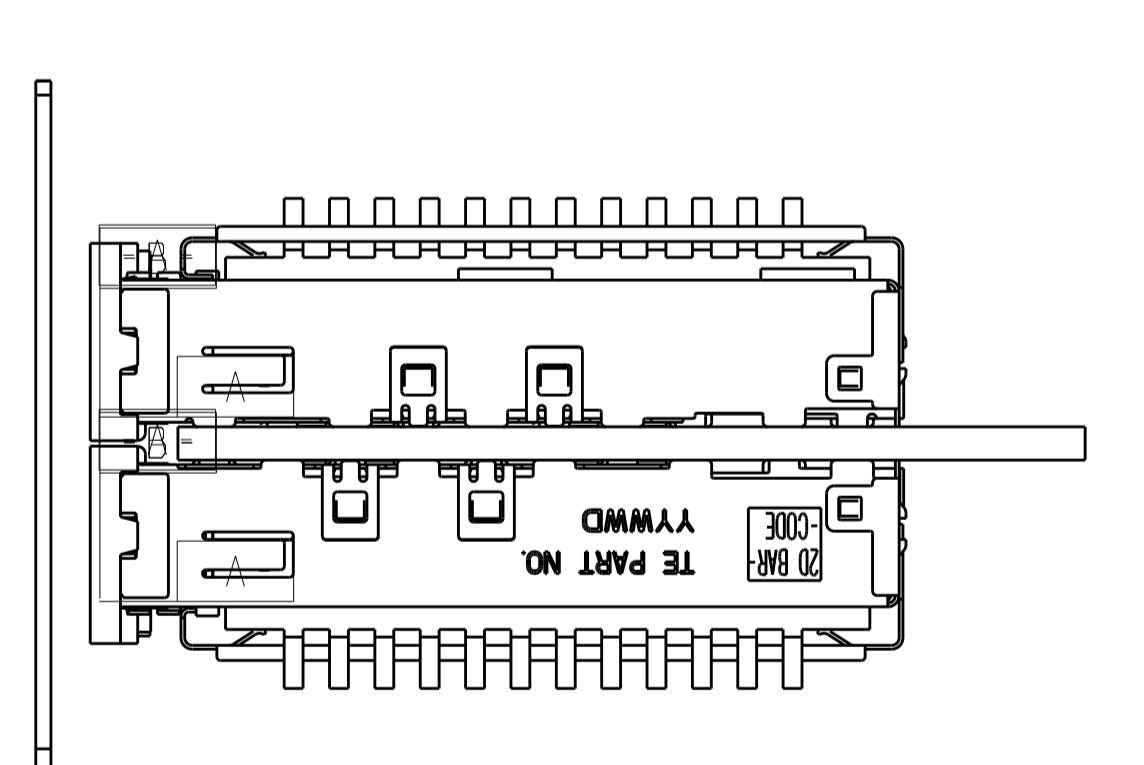
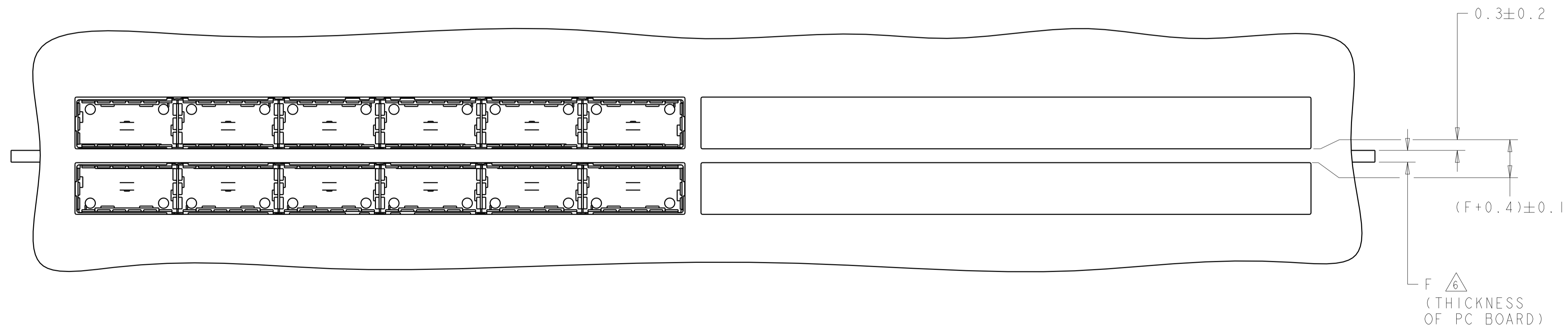
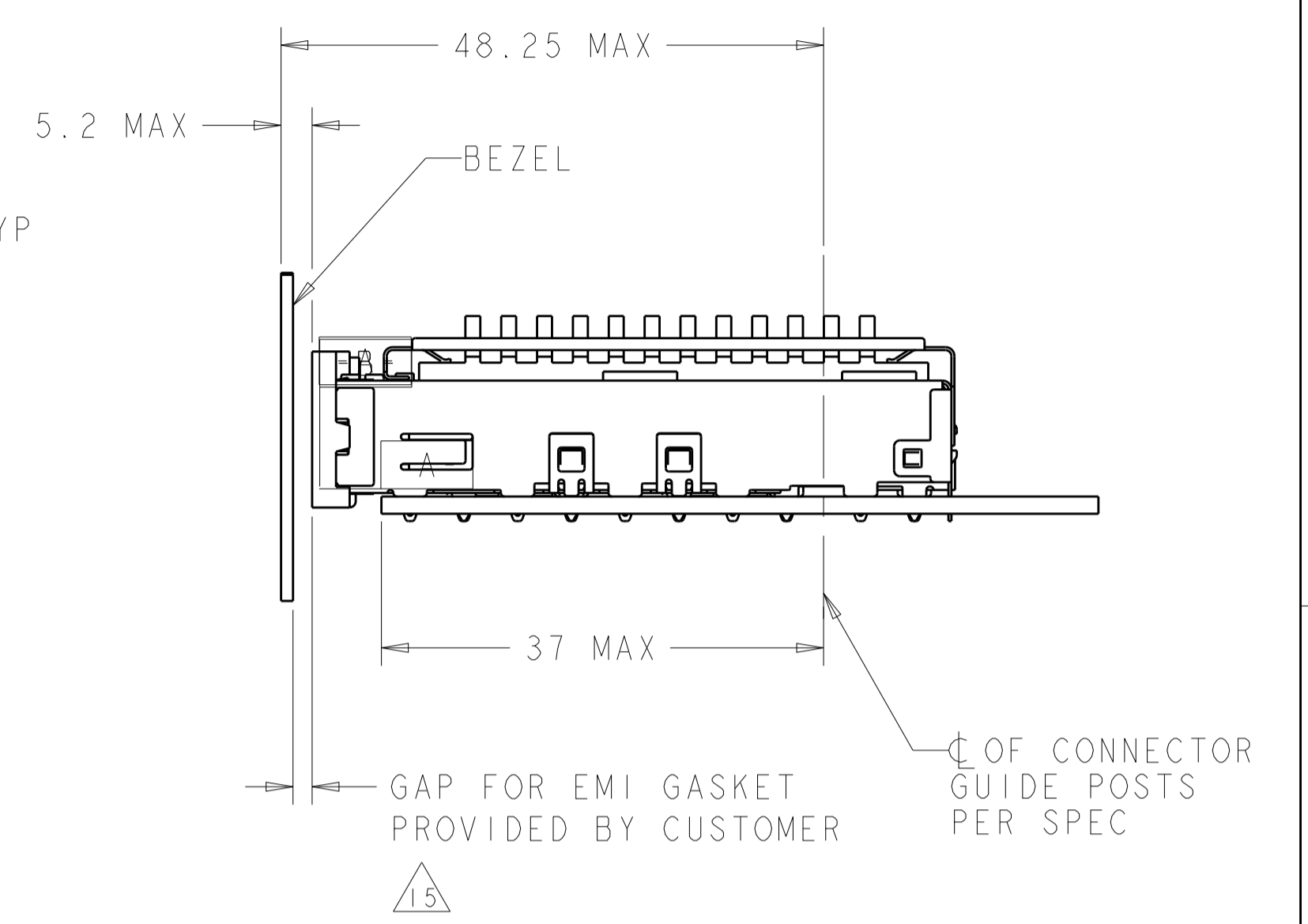
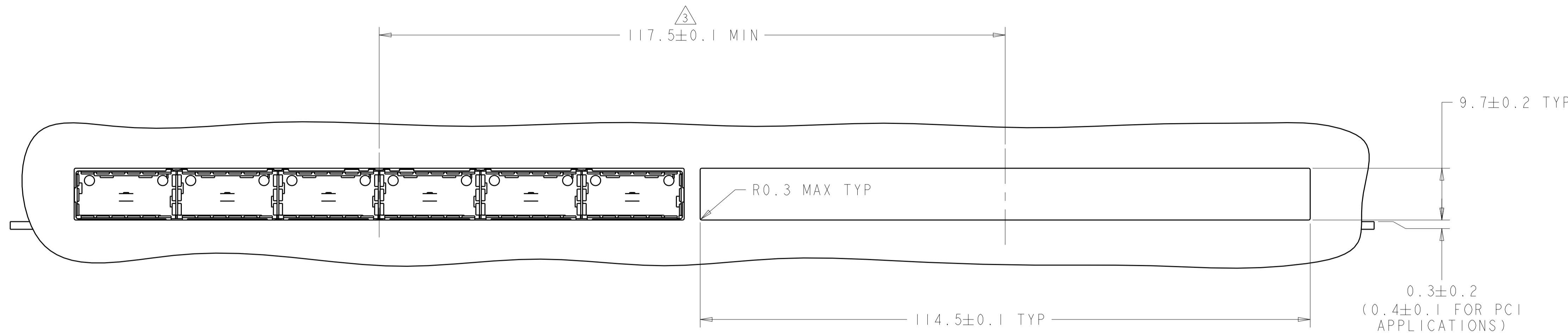
HEAT SINK CLIPS  
 QUANTITY: 6

72 PIN HEAT SINKS  
 QUANTITY: 6

1X6 BEHIND BEZEL QSFP  
 CAGE ASSEMBLY  
 QUANTITY: 1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 17MAR2010	TE Connectivity
DIMENSIONS: mm		CHK J. PETERSON 17MAR2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. PETERSON 17MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
0 PLC ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ± 4 PLC ± ANGLES ± FINISH ±		PRODUCT SPEC 108-2286	SIZE A100779
MATERIAL		APPLICATION SPEC 114-13218	DRAWING NO C=2143330
		WEIGHT	RESTRICTED TO
		Customer Drawing	SCALE 3:1 SHEET 2 OF 5 REV A

LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPD
-	-	SEE SHEET 1	-	-	-

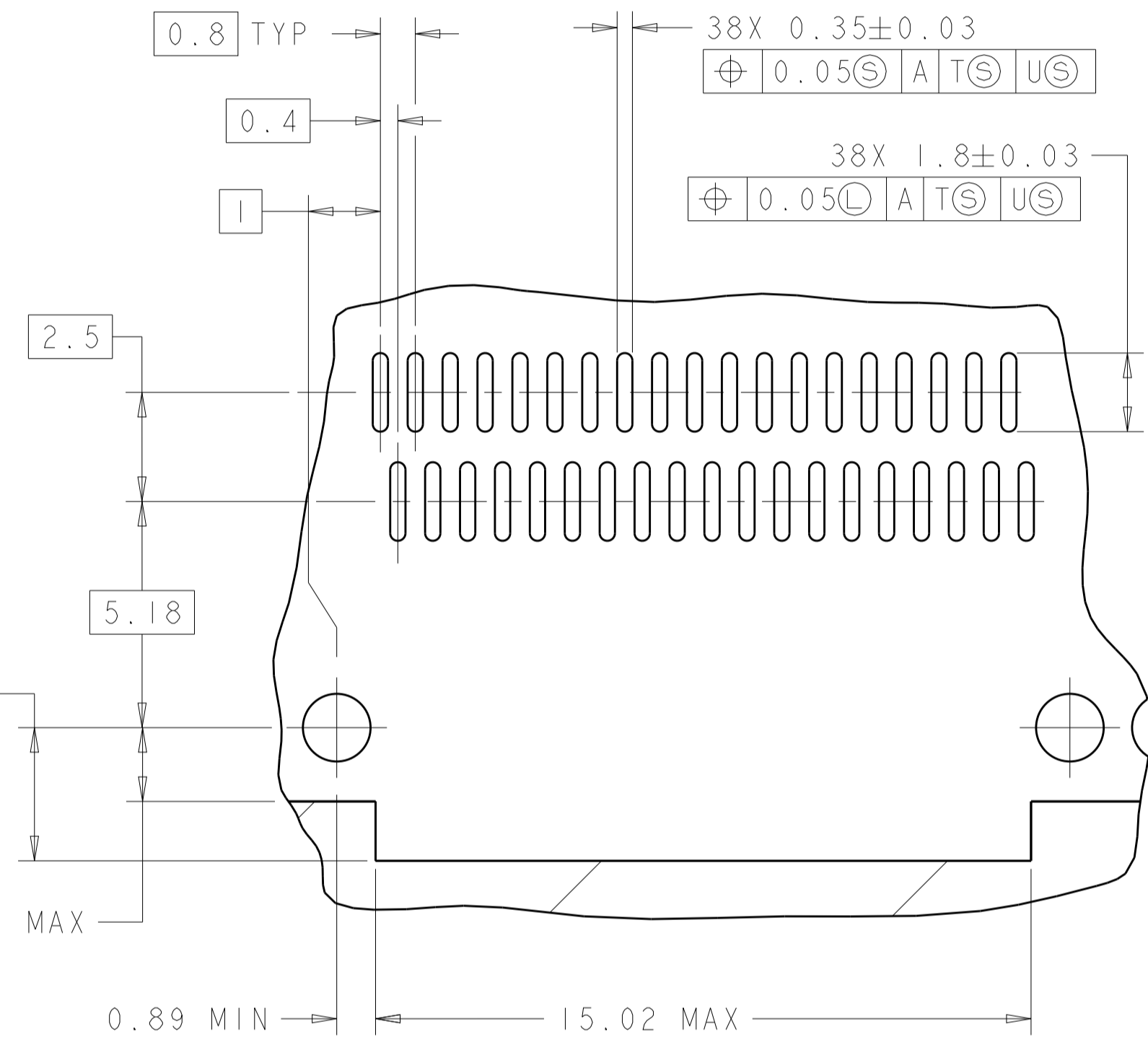
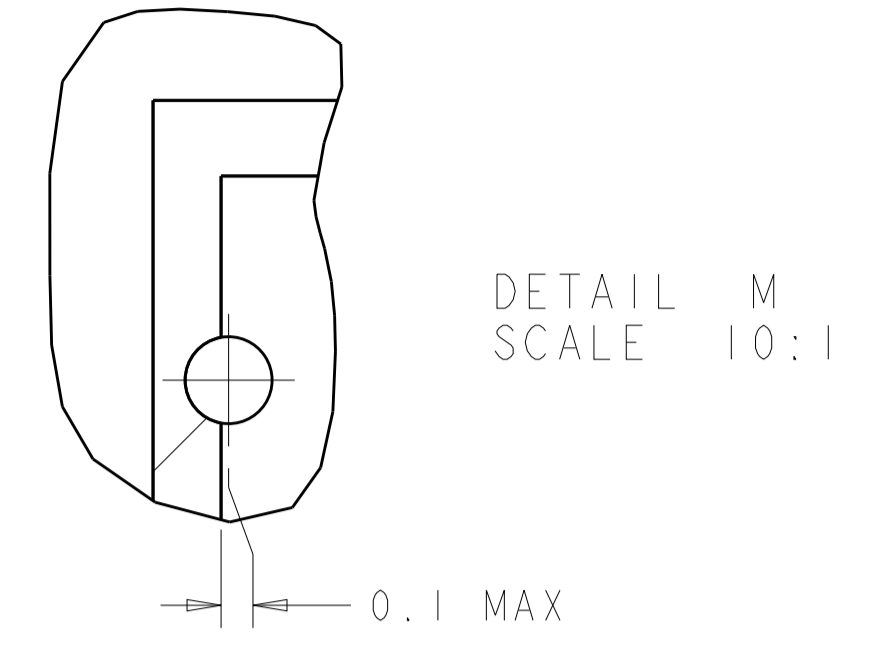
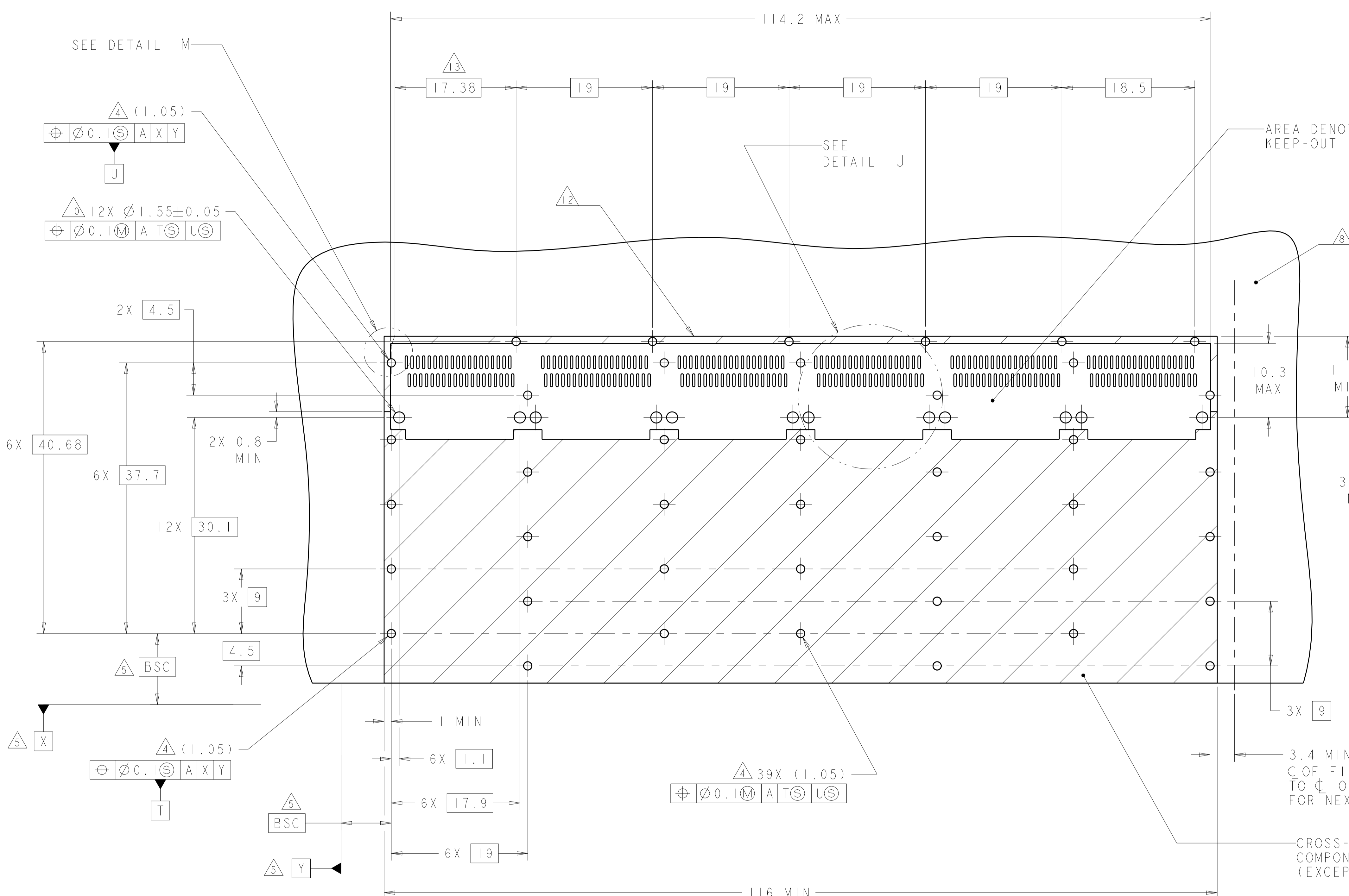


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: C. VALENTINE 17MAR2010	TE Connectivity
DIMENSIONS: mm		CHK: J. PETERSON 17MAR2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: J. PETERSON 17MAR2010	NAME: 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
0 PLC ±	1 PLC ±0.1	PRODUCT SPEC: 108-2286	SIZE: A
2 PLC ±0.1	3 PLC ±	APPLICATION SPEC: 114-13218	CAGE CODE: 2143330
4 PLC ±	ANGLES ±	WEIGHT: -	RESTRICTED TO: -
MATERIAL: -	FINISH: -	Customer Drawing	SCALE: 3:1 SHEET 3 OF 5 REV A

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

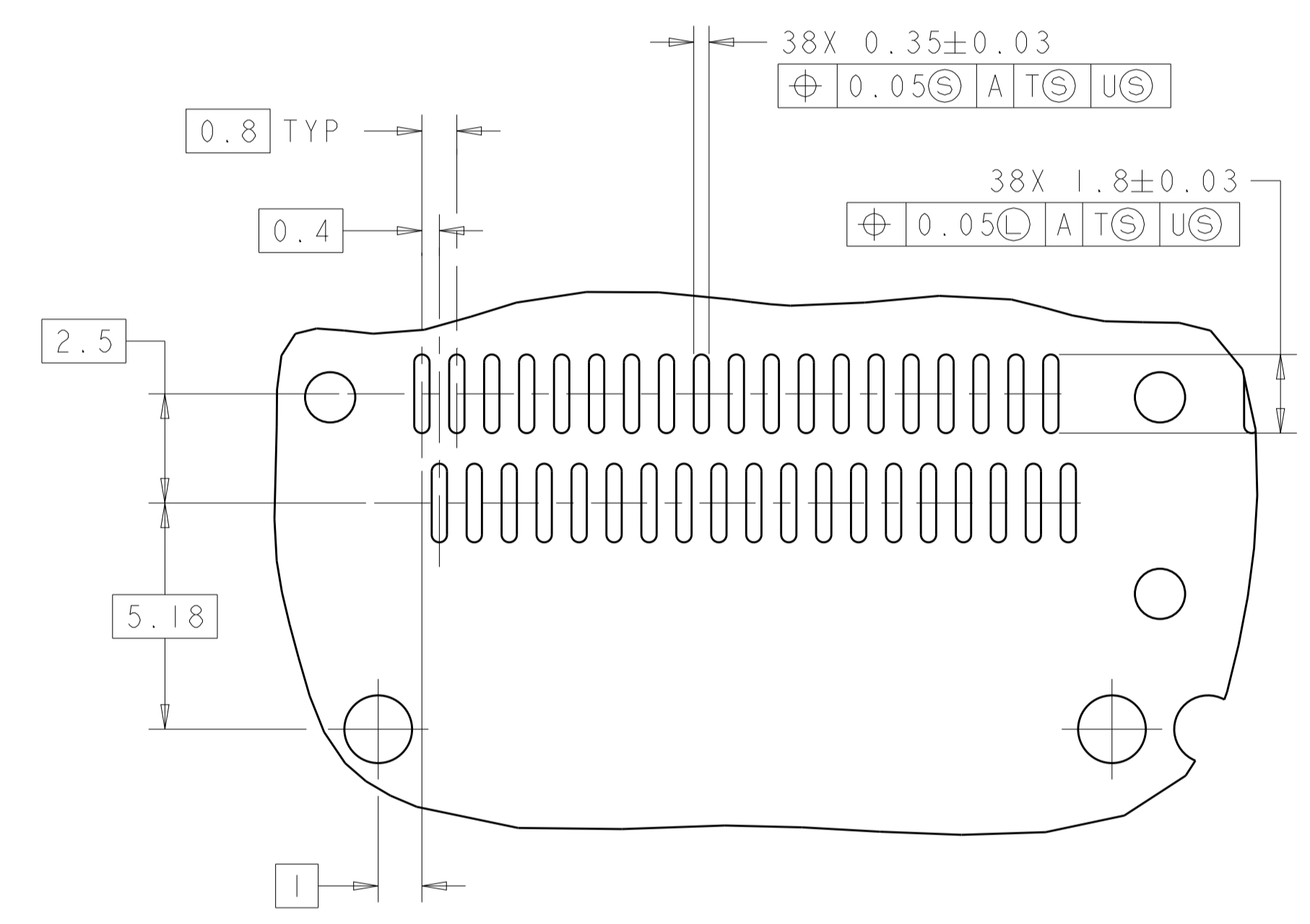
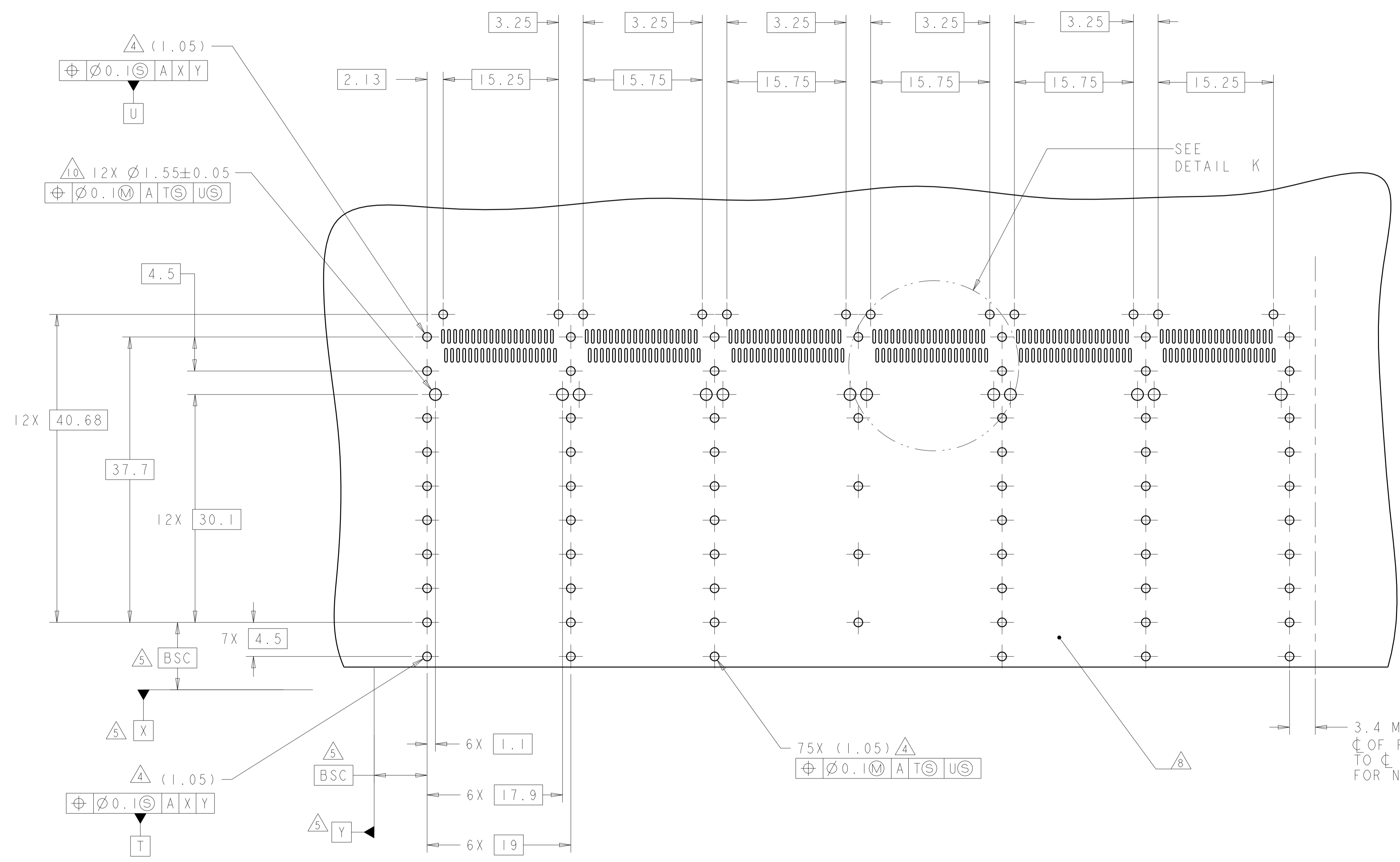
AREA DENOTES COMPONENT  
 KEEP-OUT (TRACES PERMITTED)

3.4 MIN  
 CL OF FINAL ROW OF HOLES  
 TO CL OF FIRST ROW OF HOLES  
 FOR NEXT ADJACENT CAGE

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 17MAR2010	TE Connectivity
DIMENSIONS: mm		CHK J. PETERSON 17MAR2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. PETERSON 17MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
0 PLC ±0.1		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO
1 PLC ±0.1		108-2286	RESTRICTED TO
2 PLC ±0.1		APPLICATION SPEC	A100779C=2143330
3 PLC ±0.1		114-13218	SCALE 4:1 SHEET 4 OF 5 REV A
4 PLC ±0.1		WEIGHT	
ANGLES ±0.1		Customer Drawing	
MATERIAL			
FINISH			

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-



DETAIL K  
 6 PLACES  
 SCALE 8:1

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN C. VALENTINE 17MAR2010	TE Connectivity
DIMENSIONS: mm		CHK J. PETERSON 17MAR2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. PETERSON 17MAR2010	NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
0 PLC $\pm 0.1$	1 PLC $\pm 0.1$	PRODUCT SPEC 108-2286	SIZE CAGE CODE DRAWING NO RESTRICTED TO
2 PLC $\pm 0.1$	3 PLC $\pm 0.1$	APPLICATION SPEC 114-13218	A100779C=2143330
4 PLC $\pm 0.1$	ANGLES $\pm 0.1$	WEIGHT	SCALE 4:1 SHEET 5 OF 5 REV A
MATERIAL	FINISH	Customer Drawing	