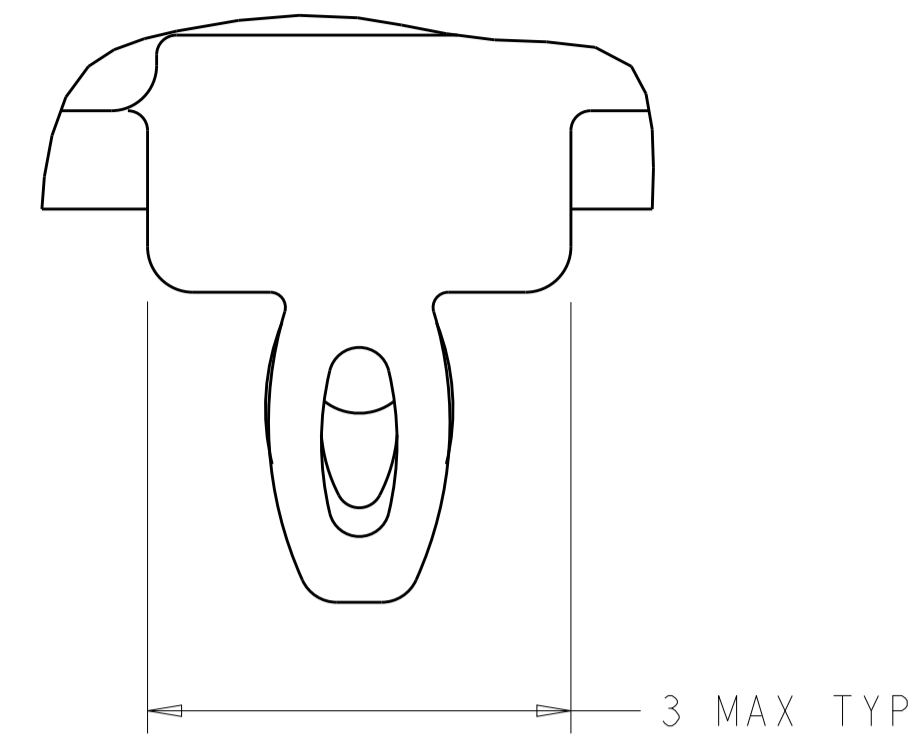


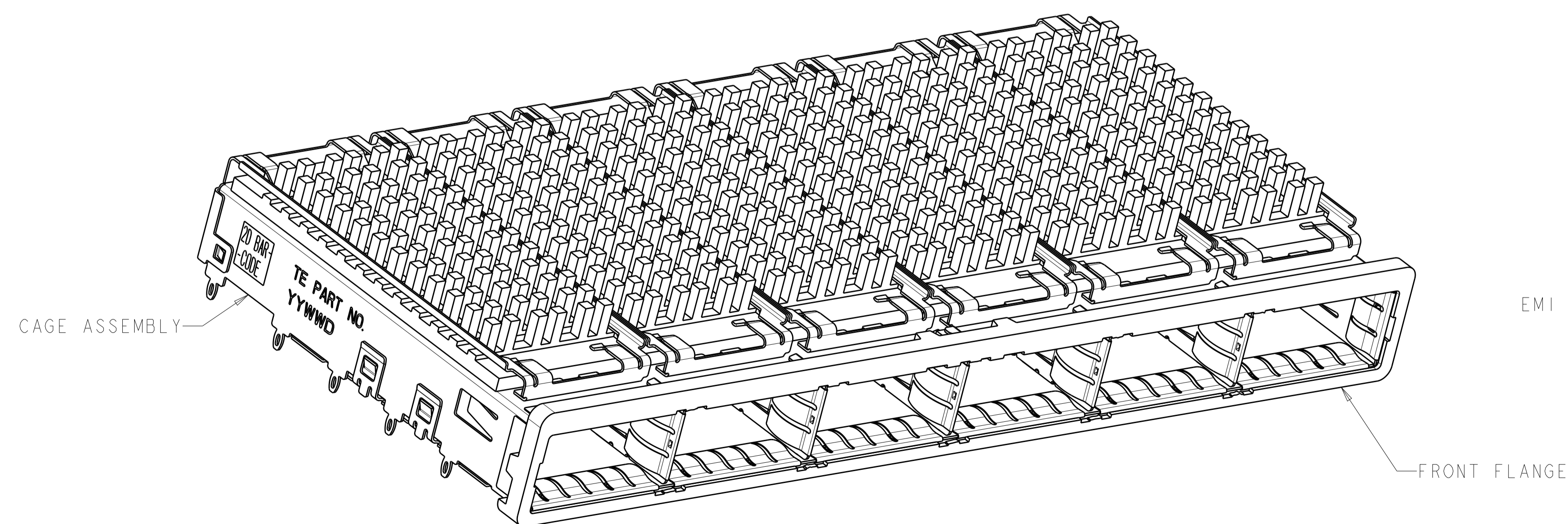
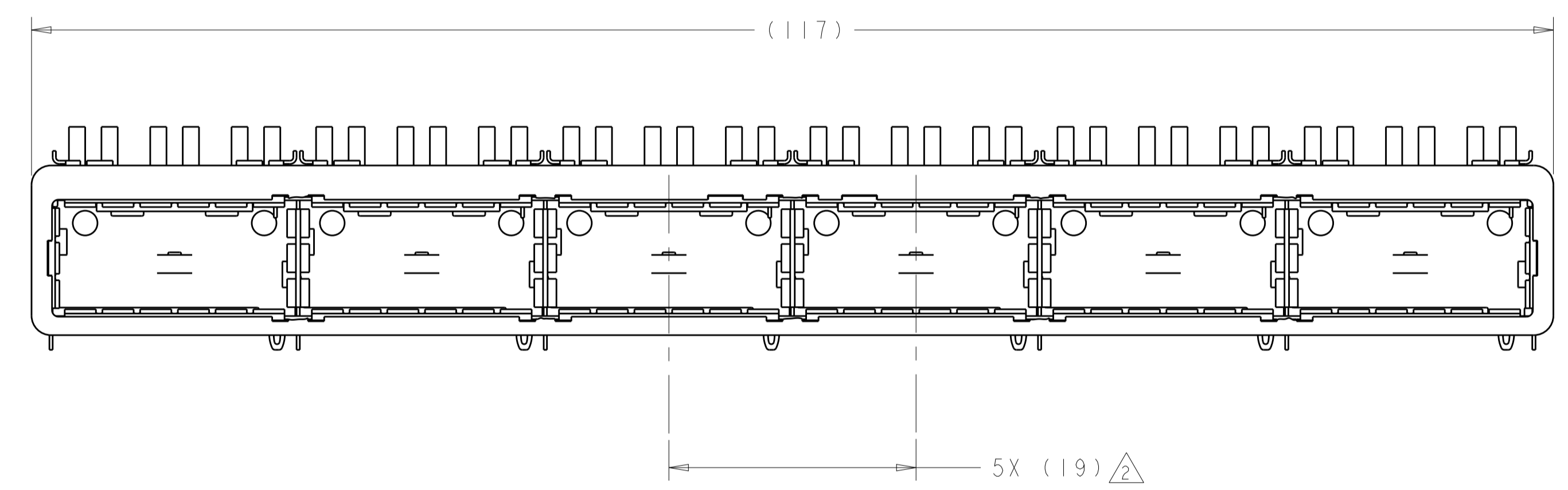
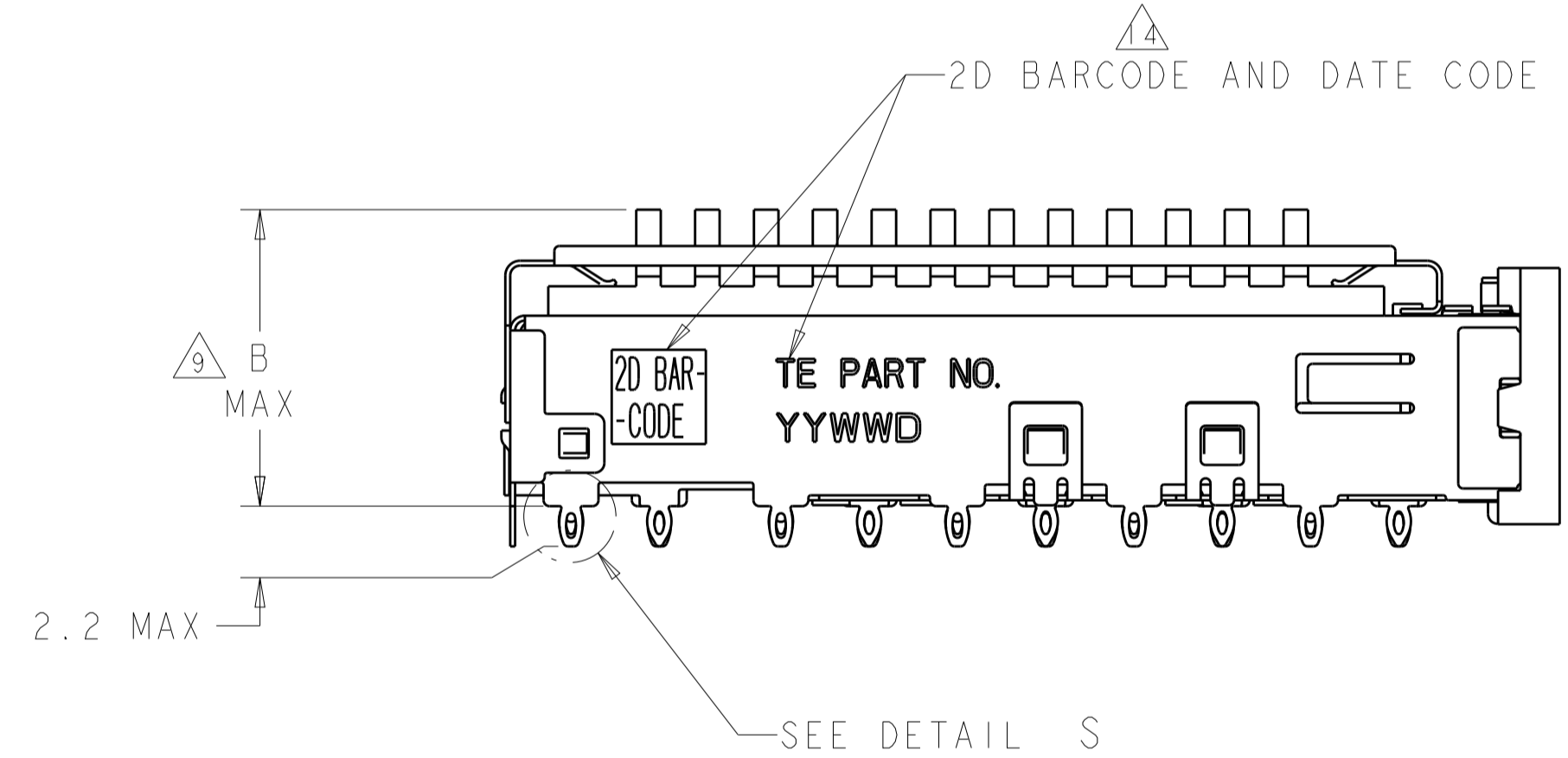
LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
GP	00	4		UPDATED VIEWS	30MAR2011	AL	CW
		5		REVISED PER ECO-12-003841	14MAR2012	TY	KS
		6		REVISED PER ECO-12-005533	05APR2012	JY	AC
		A		REVISED PER ECO-15-000148	10APR2015	RG	MC



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

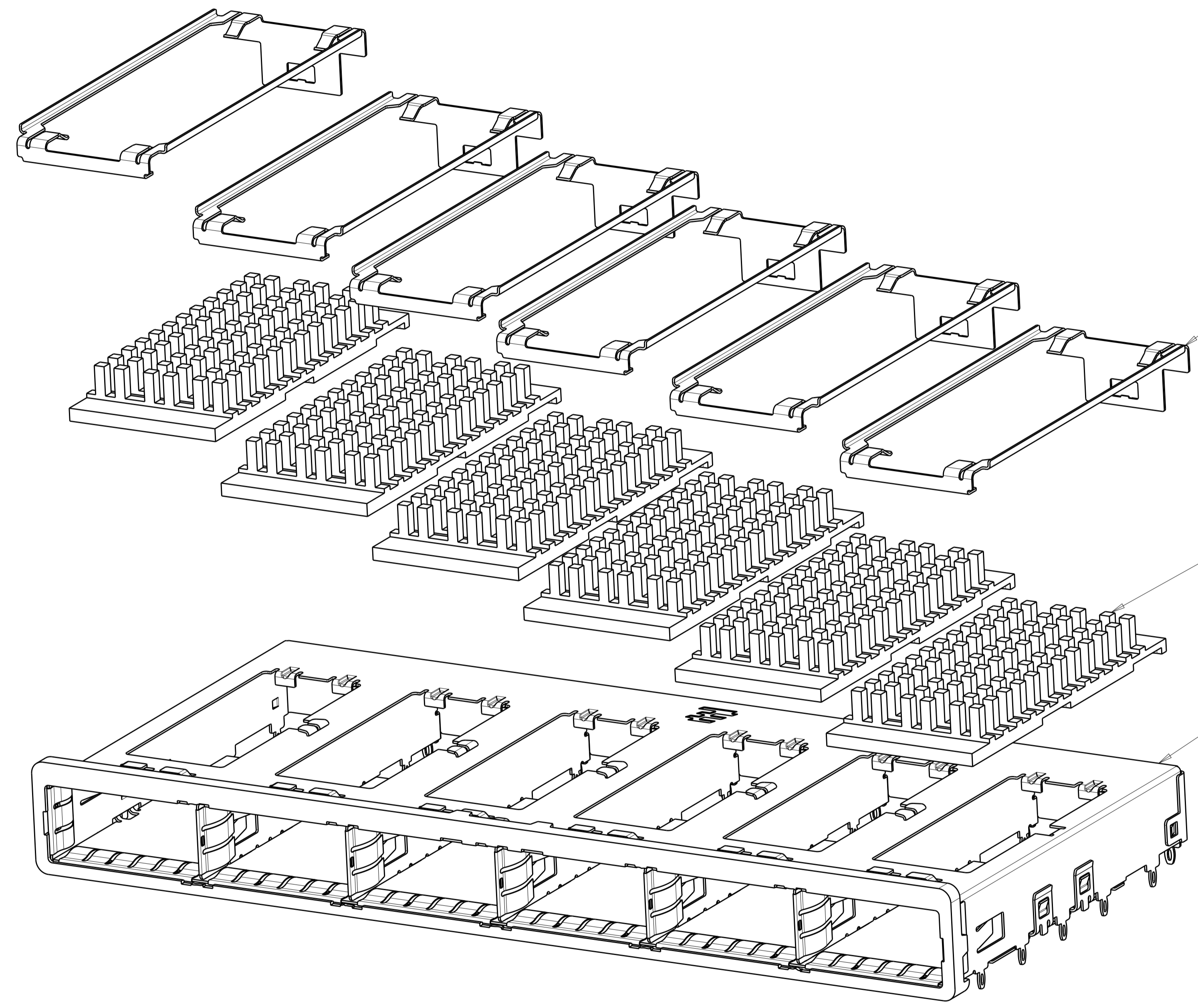


23.0	NETWORKING	2143330-3
16.0	SAN	2143330-2
13.7	PCI	2143330-1
B	HEAT SINK PROFILE	PART NUMBER

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 ±	CHK: J. PETERSON 17MAR2010	SIZE: CAGE CODE DRAWING NO
	1 PLC ±0.1	APVD: J. PETERSON 17MAR2010	RESTRICTED TO
	2 PLC ±0.1	PRODUCT SPEC: 108-2286	A100779C=2143330
	3 PLC ±	APPLICATION SPEC: 114-13218	SCALE: 3:1 SHEET 1 OF 5 REV A
	4 PLC ±	WEIGHT: -	
	ANGLES ±	Customer Drawing	
MATERIAL:	FINISH:		

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



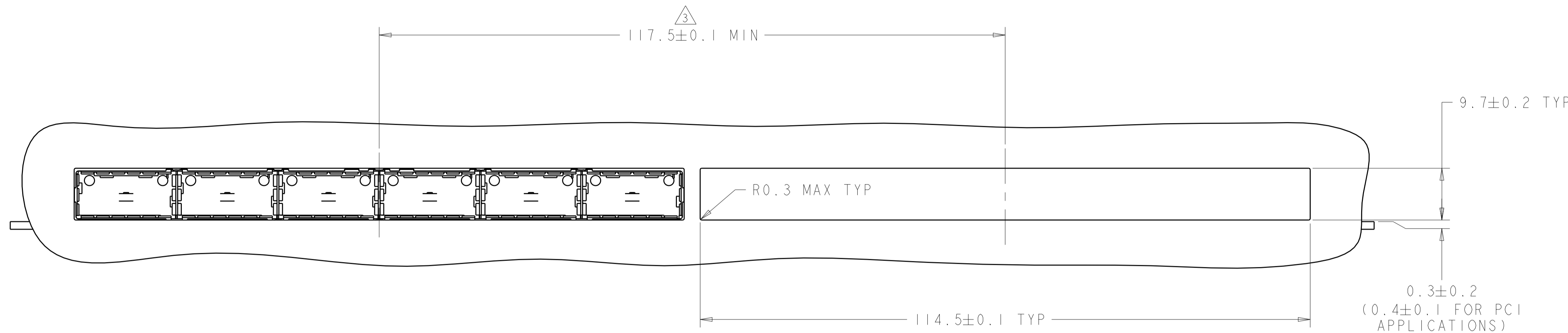
HEAT SINK CLIPS
 QUANTITY: 6

72 PIN HEAT SINKS
 QUANTITY: 6

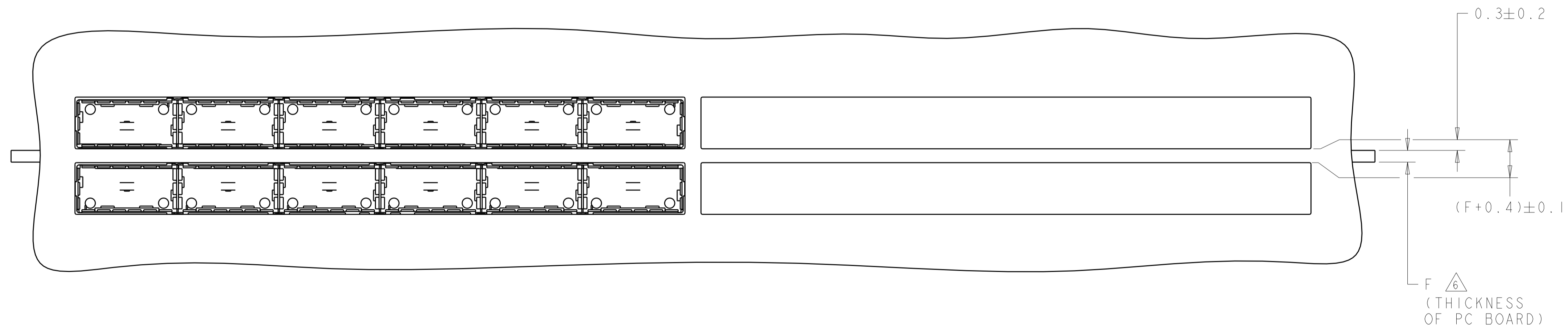
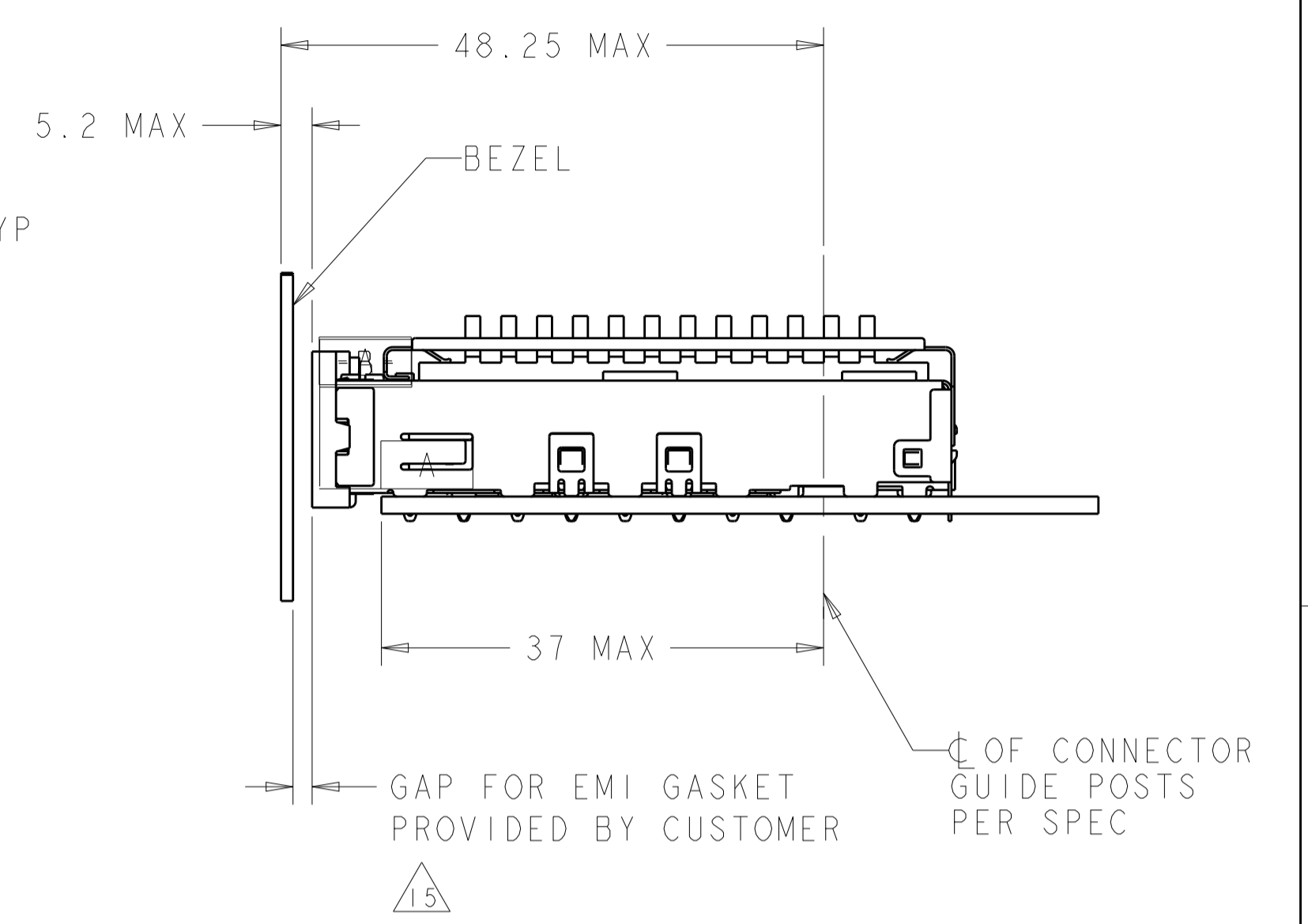
1X6 BEHIND BEZEL QSPF
 CAGE ASSEMBLY
 QUANTITY: 1

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

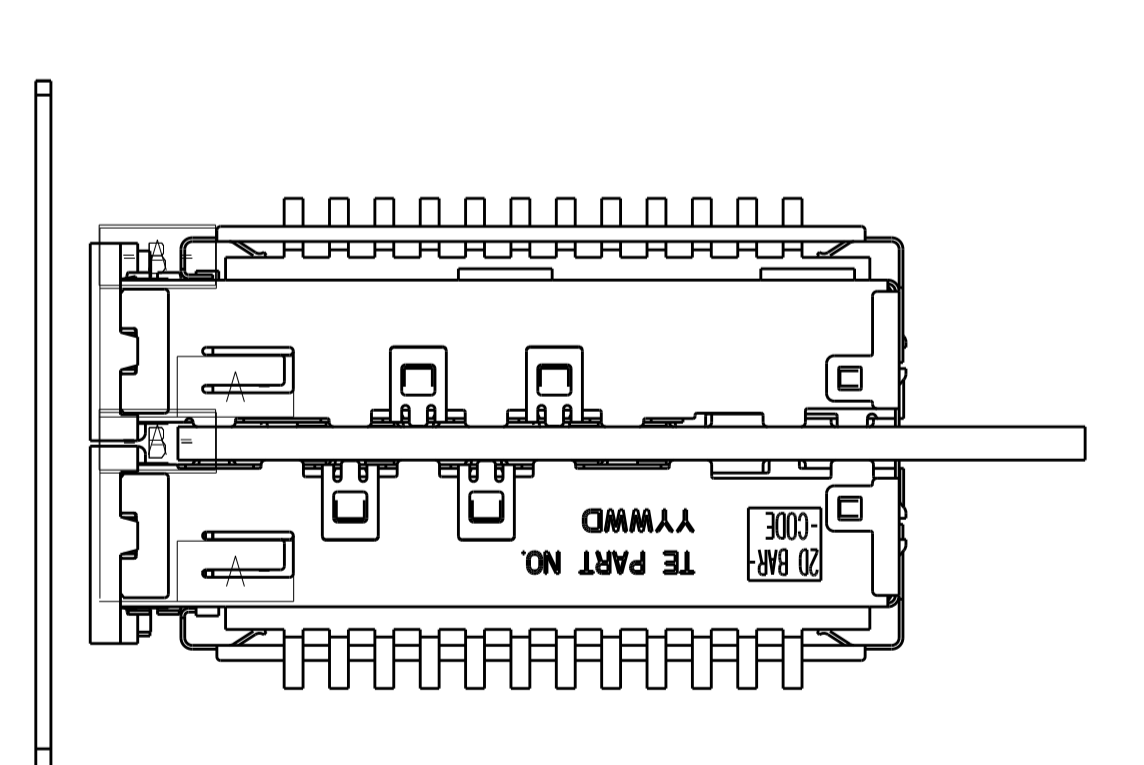
LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPD
-	-	SEE SHEET 1	-	-	-



ONE SIDED CONFIGURATION
 SCALE 2:1

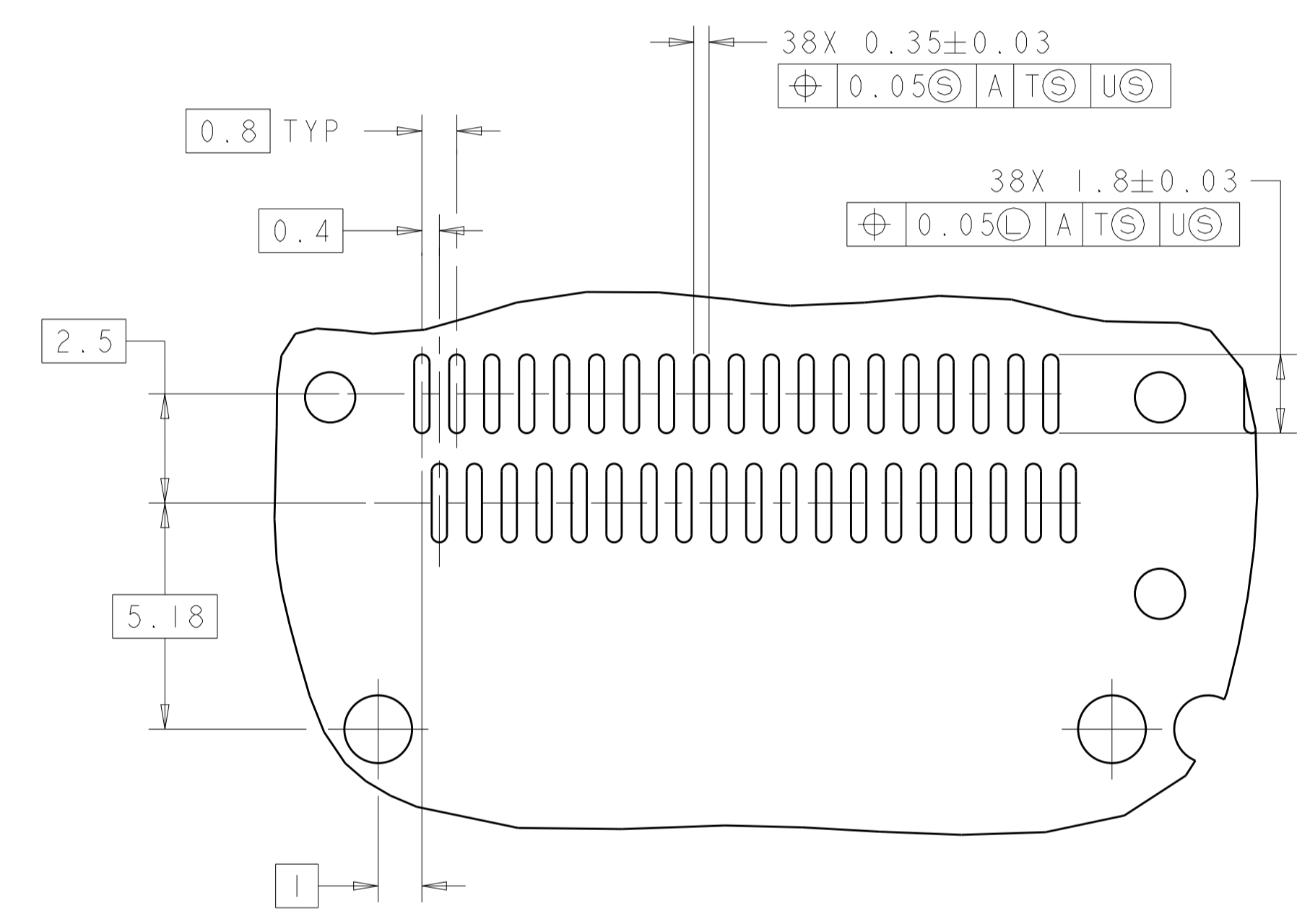
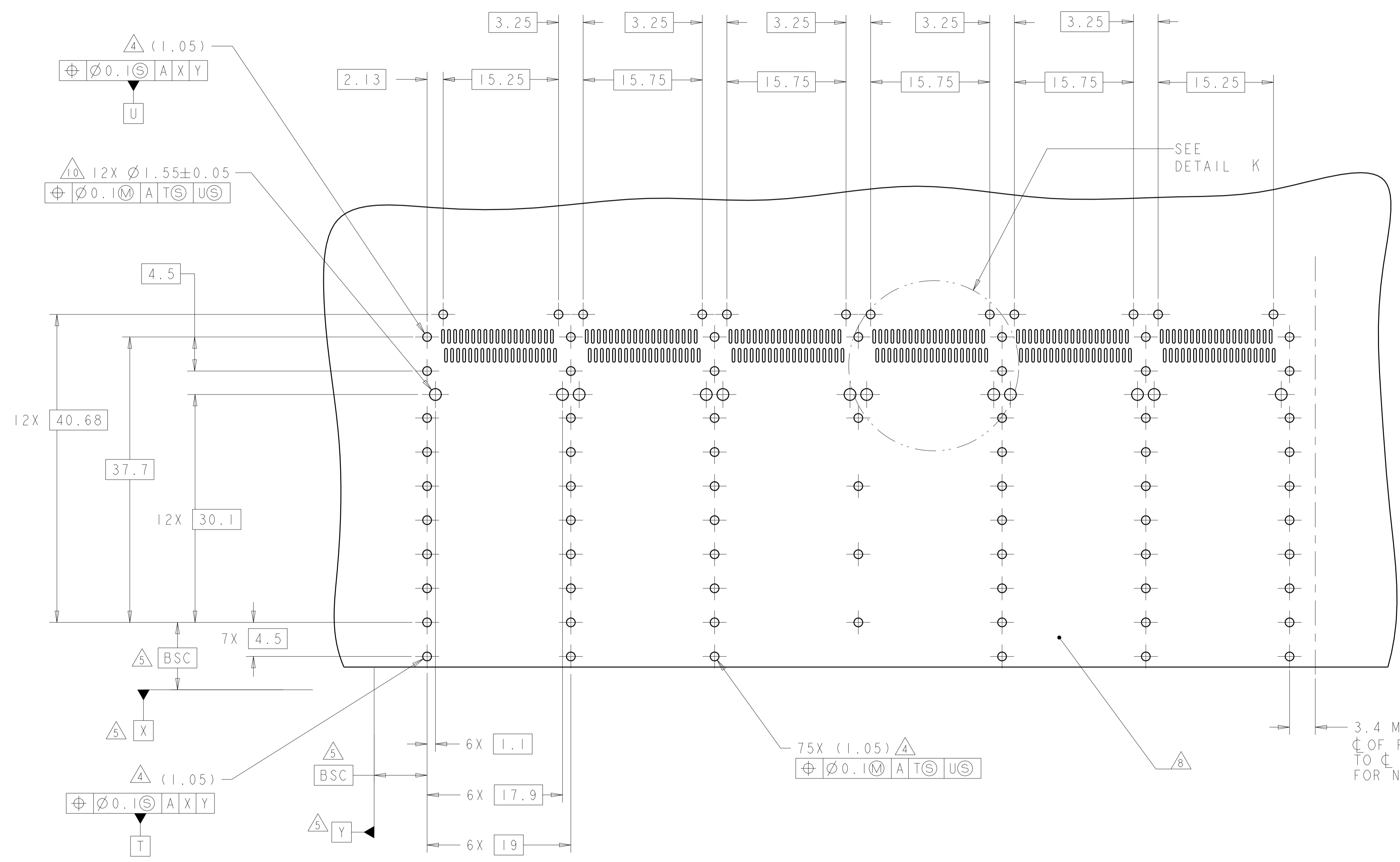


BELLY TO BELLY CONFIGURATION
 SIMILAR TO ONE SIDED
 EXCEPT WHERE NOTED
 SCALE 2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: C. VALENTINE 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, QSPF
0 PLC ±	1 PLC ±0.1	PRODUCT SPEC: 108-2286	SIZE: A100779
2 PLC ±	3 PLC ±	APPLICATION SPEC: 114-13218	CAGE CODE: C=2143330
4 PLC ±	ANGLES ±	WEIGHT: -	RESTRICTED TO: -
MATERIAL: -	FINISH: -	Customer Drawing	SCALE: 3:1 SHEET 3 OF 5 REV A

LOC	DIST	REVISIONS					
GP	00	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 NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, QSFP
DIMENSIONS:		CHK J. PETERSON 17MAR2010	
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. PETERSON 17MAR2010	PRODUCT SPEC
0 PLC ±.1 2 PLC ±0.1 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1		APPLICATION SPEC	108-2286
MATERIAL	FINISH	WEIGHT	114-13218
		Customer Drawing	SCALE 4:1 SHEET 5 OF 5 REV A

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[TE Connectivity:](#)

[2143330-2](#)