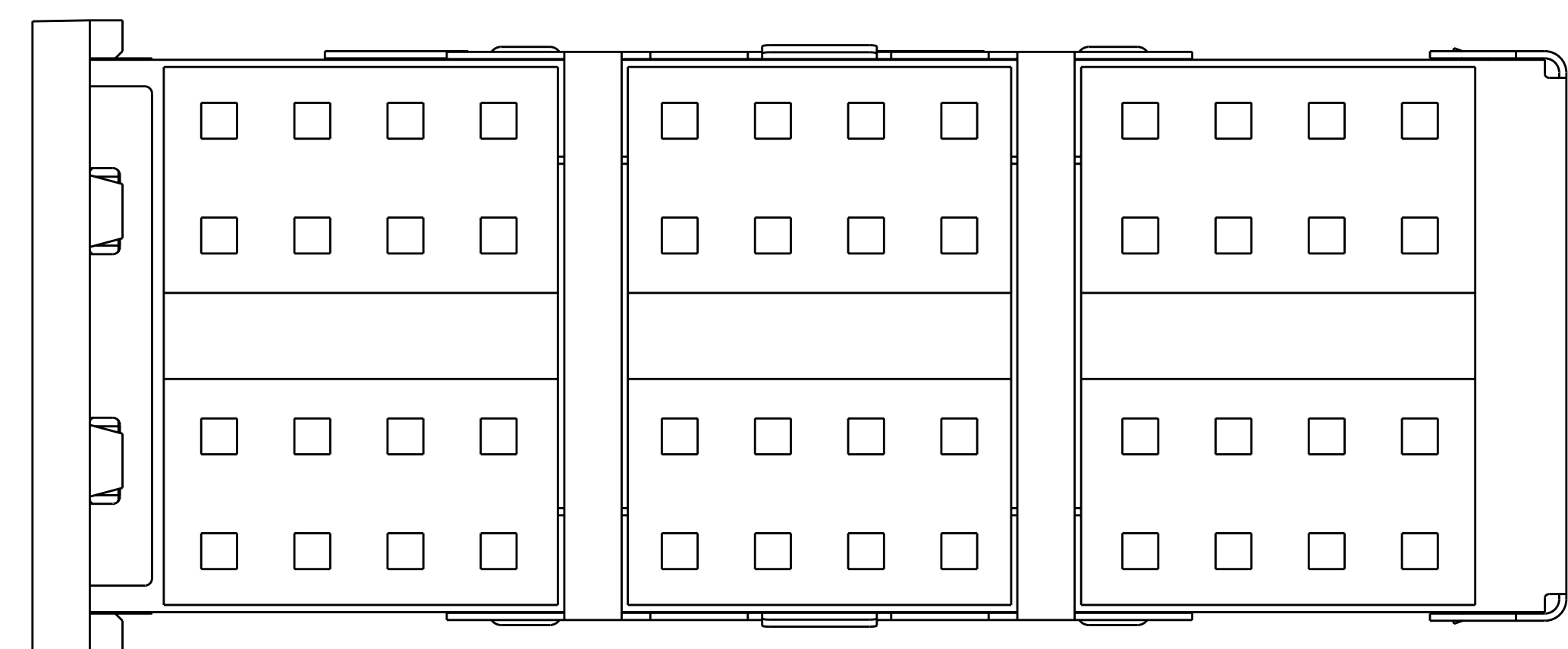
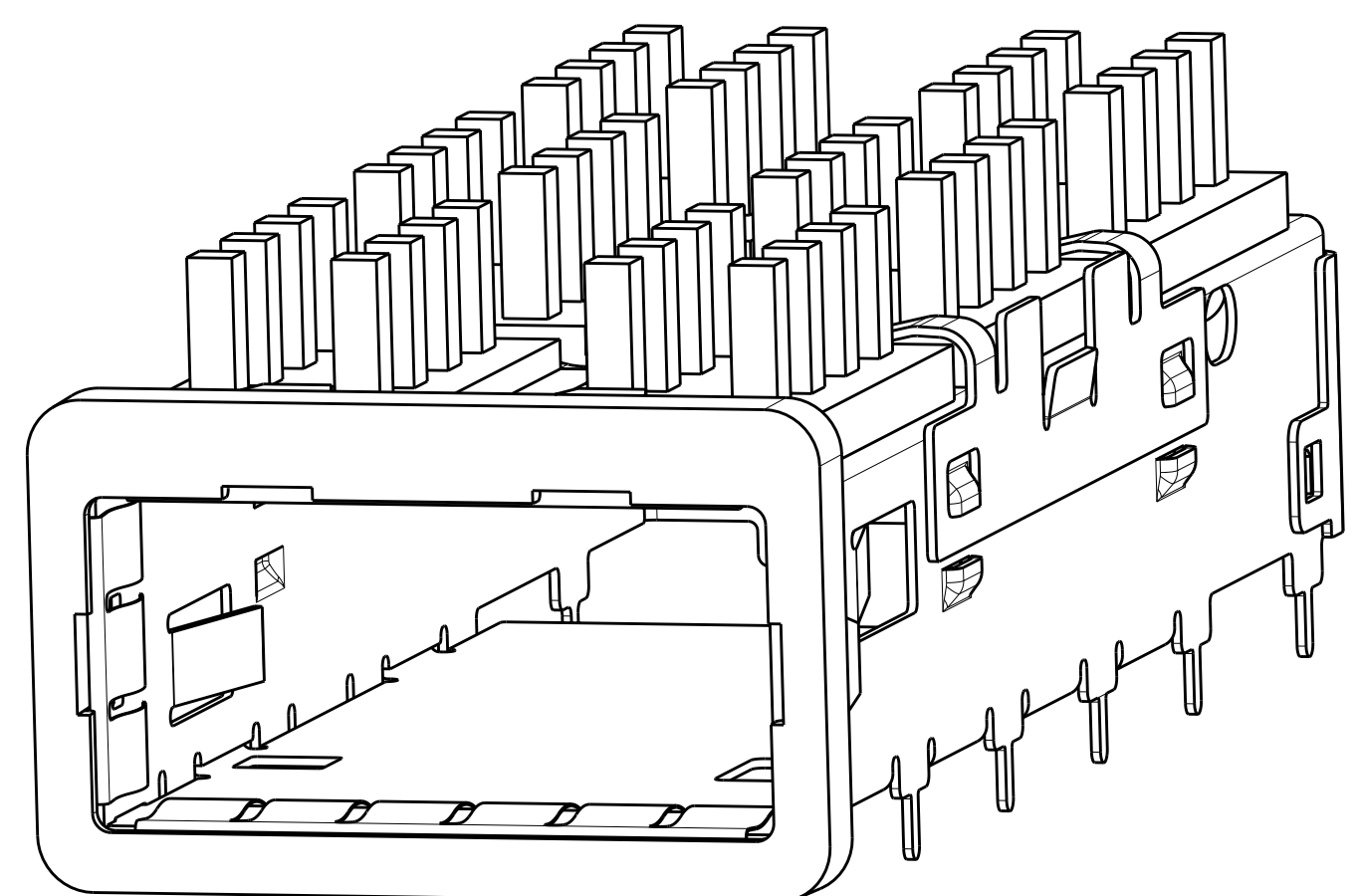
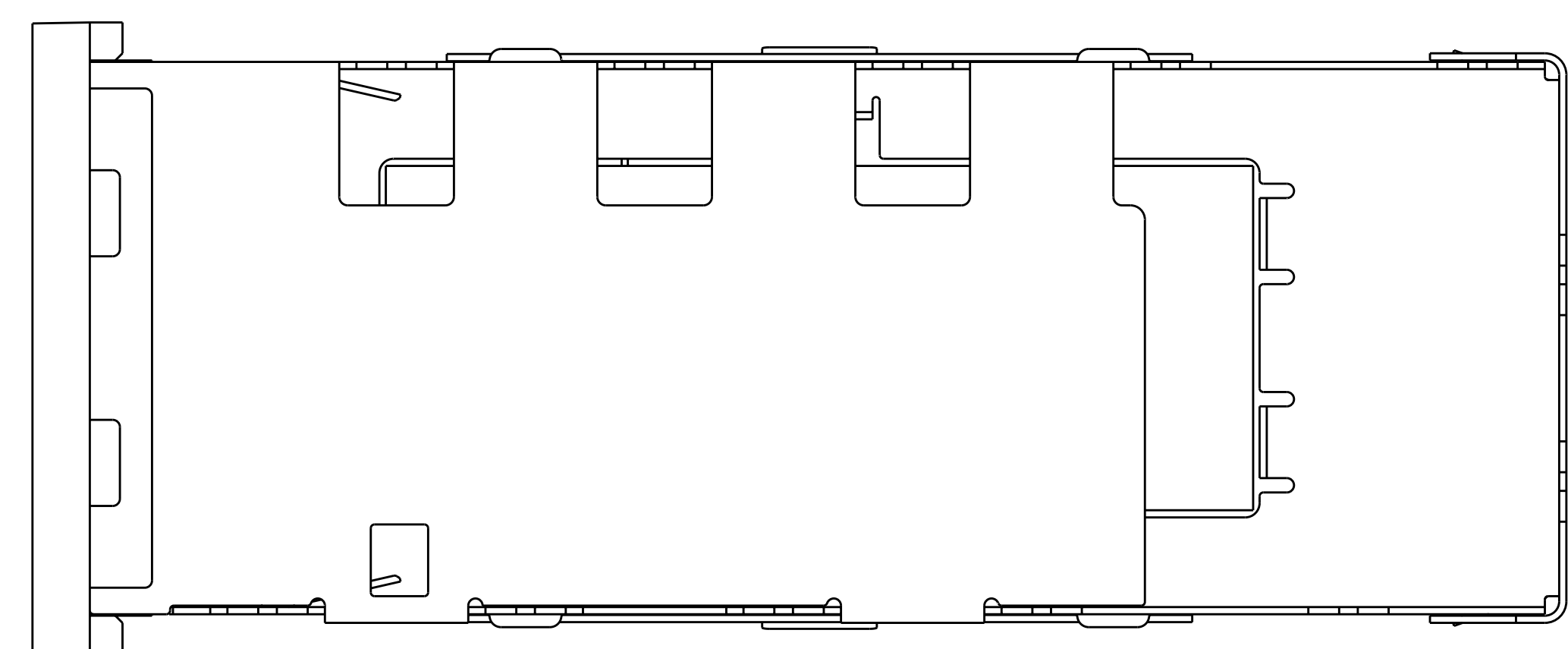
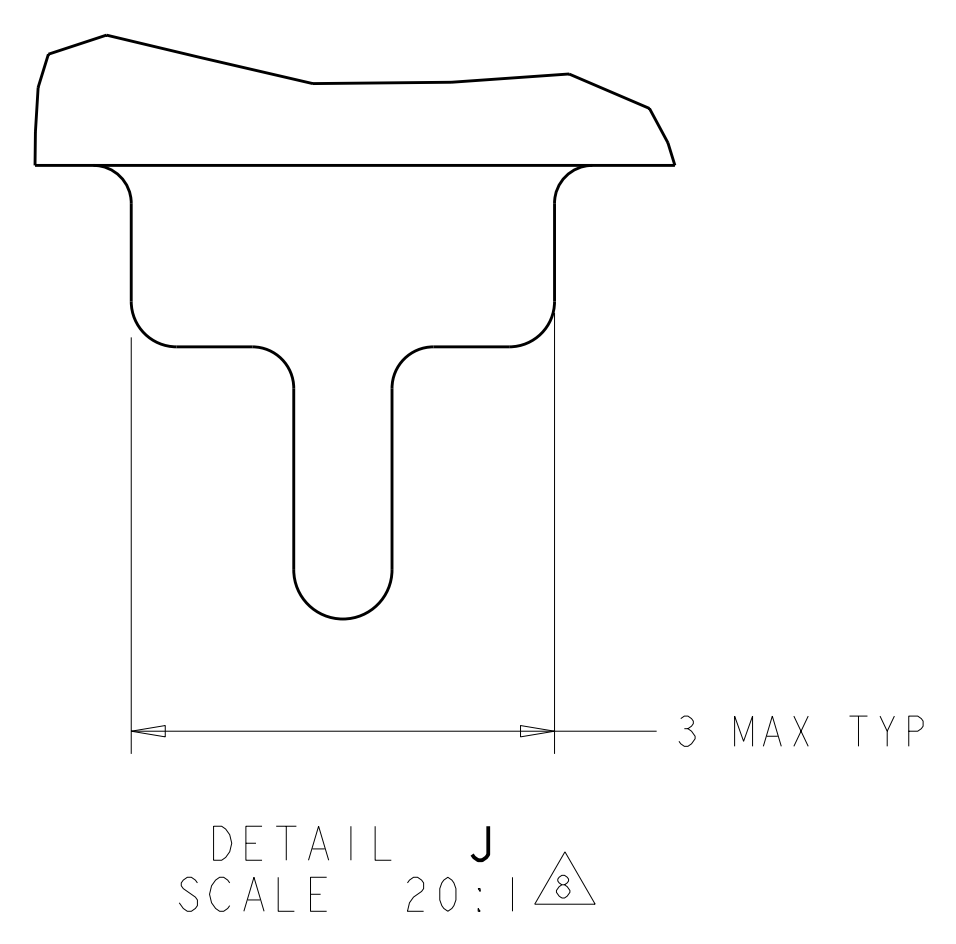
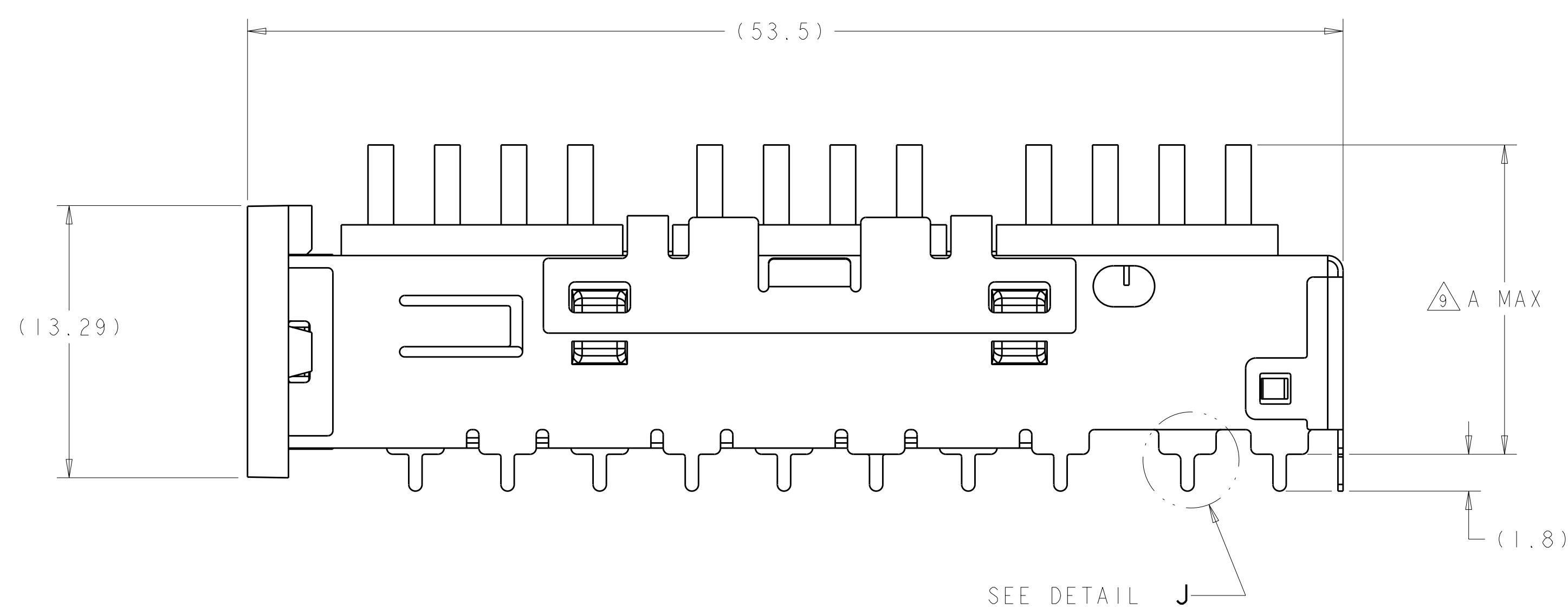
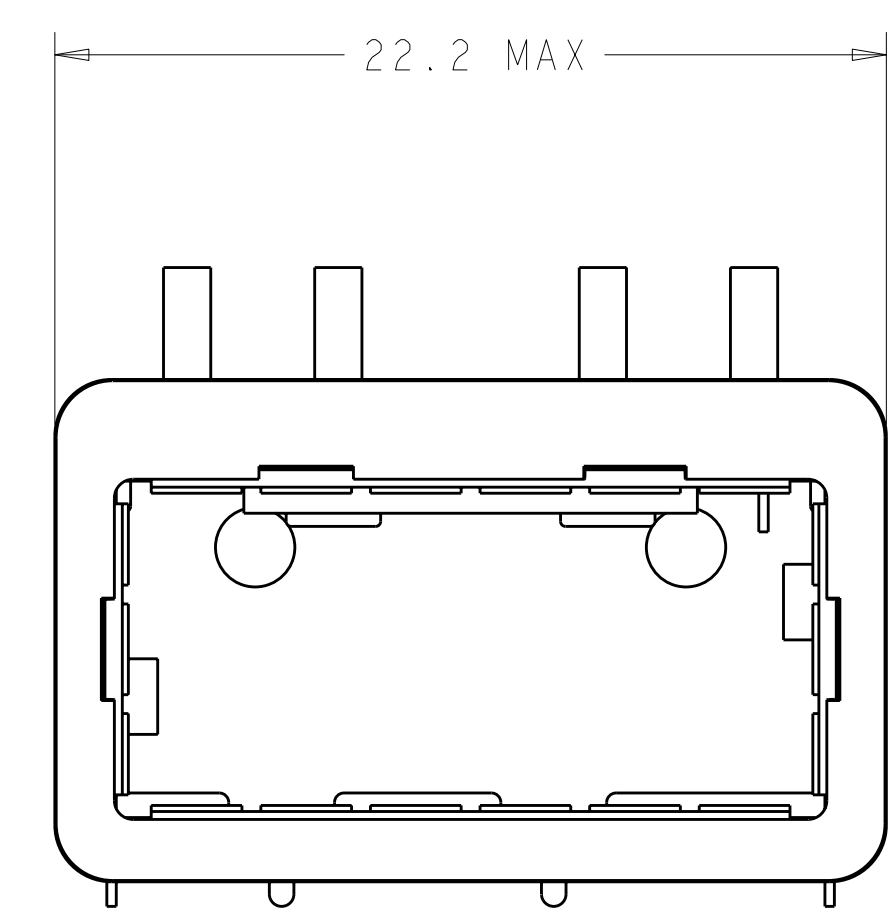


LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPD
		1	22 JUN 2009	CR	JP



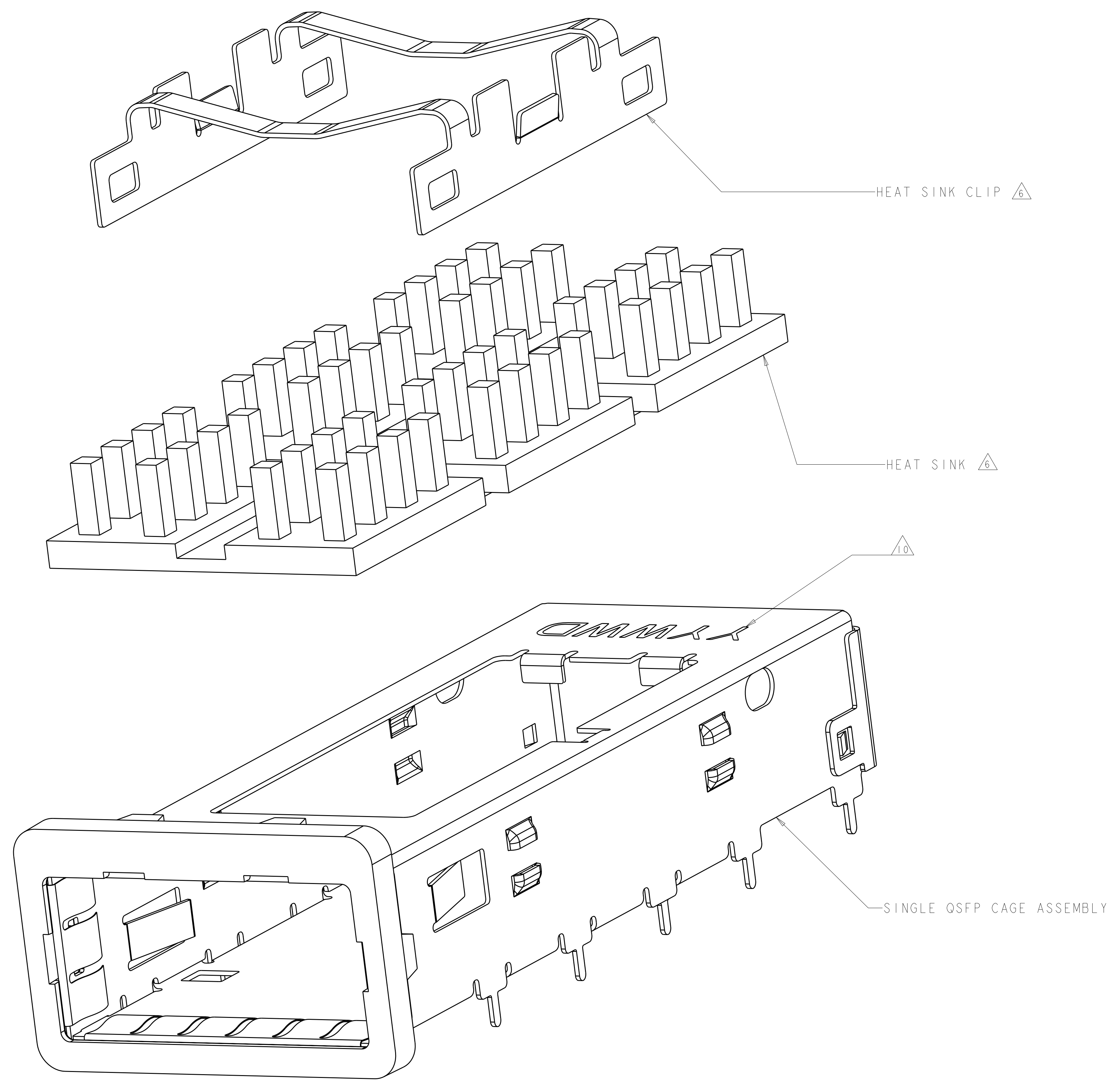
- △ CAGE MATERIAL: NICKEL SILVER, 0.25 THICK  
 HEAT SINK MATERIAL: ALUMINUM  
 HEAT SINK CLIP MATERIAL: STAINLESS STEEL  
 EMI SPRING MATERIAL: COPPER ALLOY  
 FRONT FLANGE MATERIAL: ZINC ALLOY
- △ MINIMUM PITCH DIMENSION.
- 3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- △ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- △ DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD, DOUBLE SIDED PC BOARD MINIMUM THICKNESS: 2.2.
- △ HEAT SINK AND CLIP SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SOLDERED ONTO THE PCB.
- △ DATUM -A- IS TOP SURFACE OF HOST BOARD.
- △ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.
- △ DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE.
- △ DATE CODE (YYWW) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
- △ EMI SPRING FINISH: 2µm MIN TIN.  
 FRONT FLANGE FINISH: 3µm MIN TIN OVER 1.27µm MIN NICKEL OVER 5.08µm MIN COPPER.  
 HEAT SINK FINISH: 0.076µm MIN NICKEL.
- 12. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.



A	DESCRIPTION	PART NUMBER
23.0	NETWORKING HEAT SINK	2110753-3
16.0	SAN HEAT SINK (SHOWN)	2110753-2
13.7	PCI HEAT SINK	2110753-1

DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±.5 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±.1		DWN C. ROHLER 22JUN2009 CHK J. PETERSON 22JUN2009 APVD J. PETERSON 22JUN2009 NAME J. PETERSON PRODUCT SPEC 108-2286 APPLICATION SPEC WEIGHT CUSTOMER DRAWING		Tyco Electronics Harrisburg, PA 17105-3608 CAGE ASSEMBLY, BEHIND BEZEL QSFP, SOLDER, WITH HEAT SINK SIZE CAGE CODE DRAWING NO A100779C=2110753 SCALE 5:1 SHEET 1 OF 5 REV 1	
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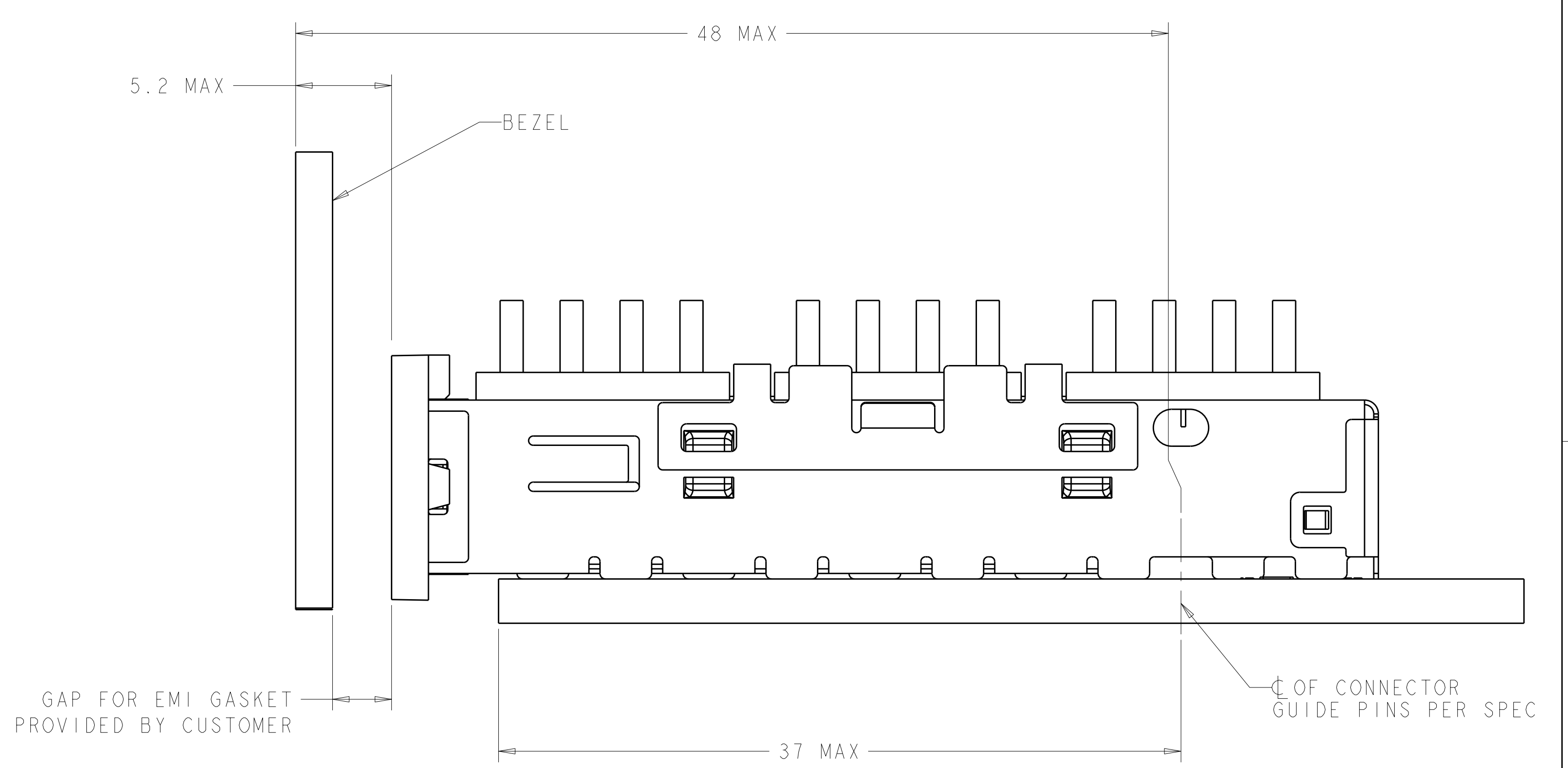
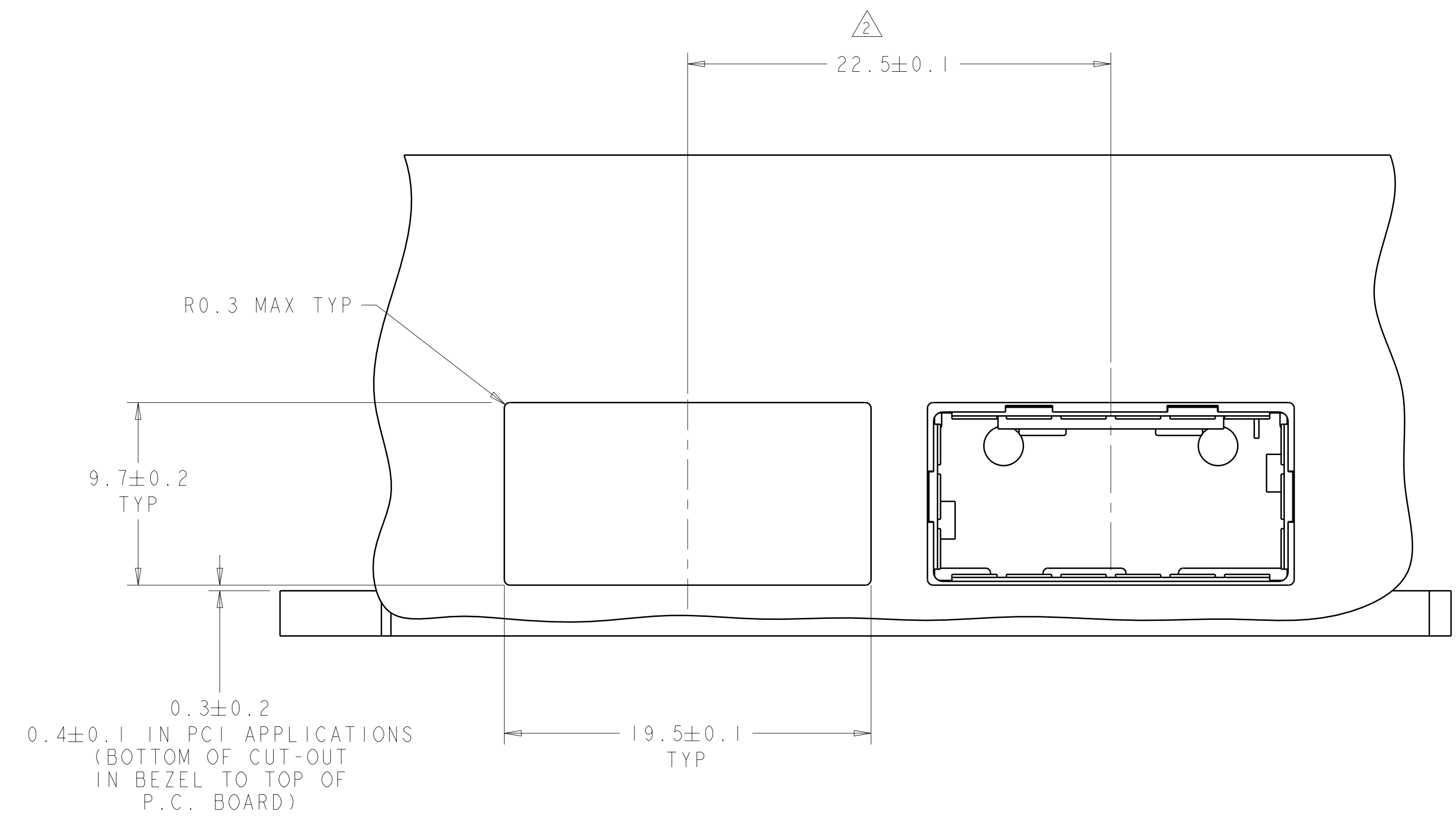
LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	SEE SHEET 1	-	-	-



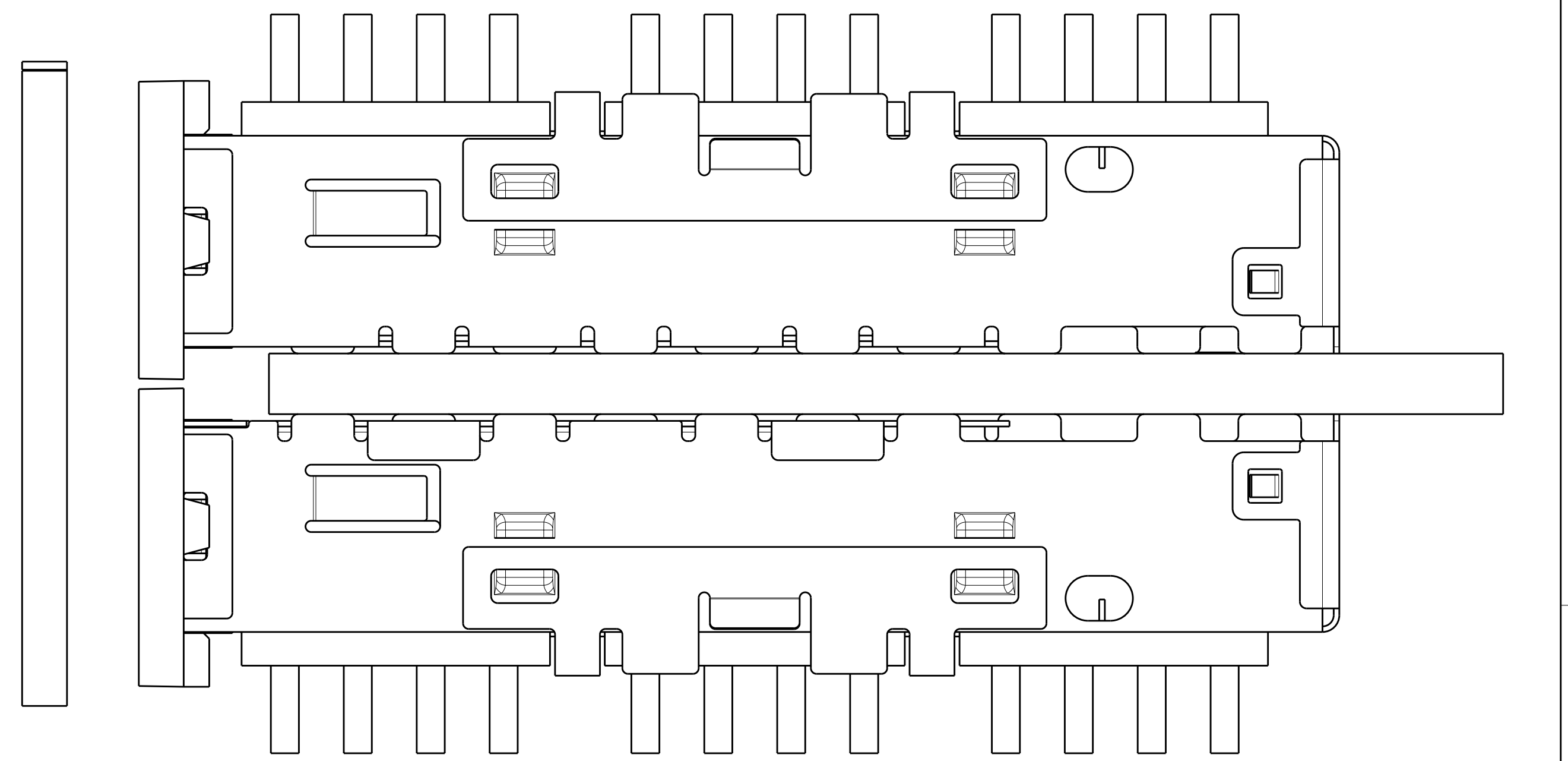
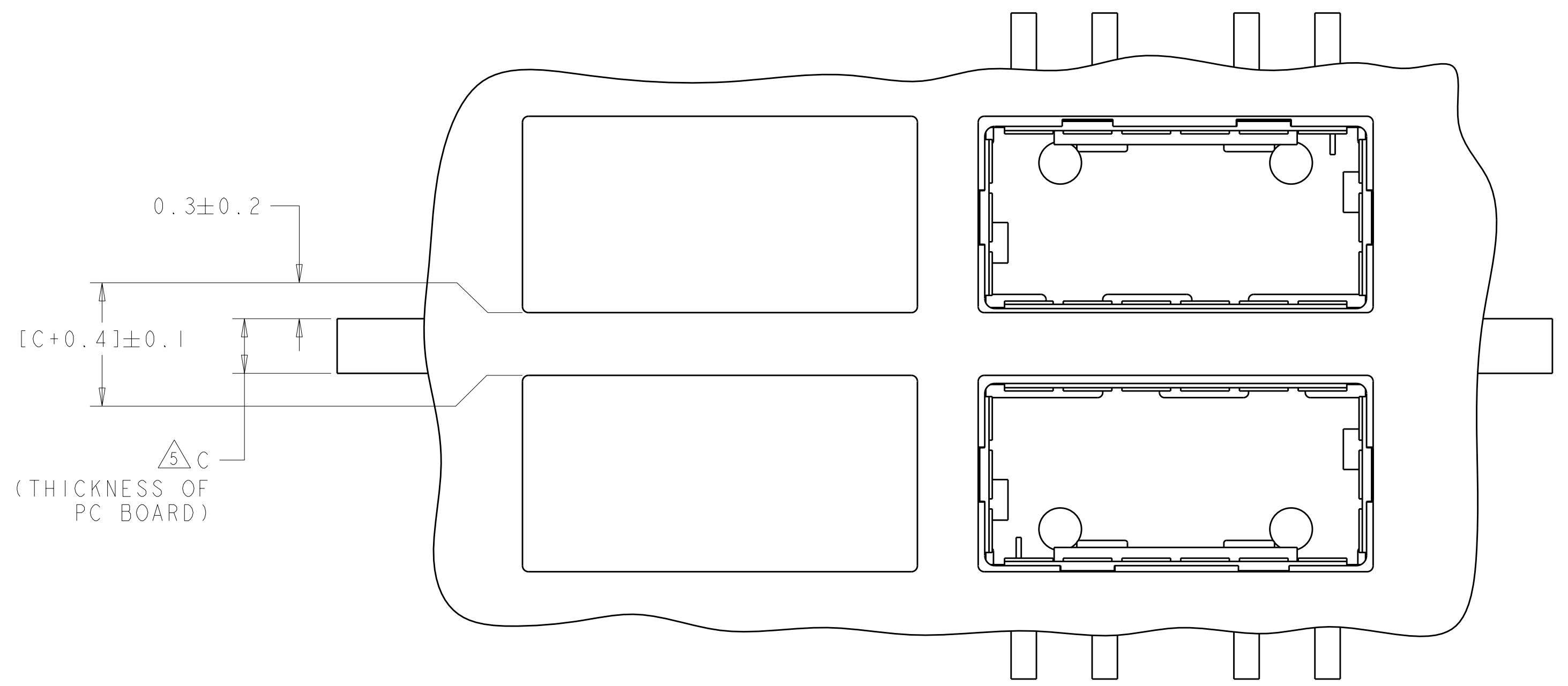
EXPLODED VIEW  
 SCALE 8:1

<small>THE DIMENSIONS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE DIMENSIONS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE DIMENSIONS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT NOTICE.</small>		DWN: C. ROHLER 22JUN2009 CHK: J. PETERSON 22JUN2009 APVD: J. PETERSON 22JUN2009	Tyco Electronics Harrisburg, PA 17105-3608
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±	NAME: CAGE ASSEMBLY, BEHIND BEZEL QSPF, SOLDER, WITH HEAT SINK PRODUCT SPEC: 108-2286 APPLICATION SPEC:	SIZE: A CAGE CODE: 00779 DRAWING NO: C=2110753 RESTRICTED TO:
MATERIAL: -	FINISH: -	WEIGHT: -	CUSTOMER DRAWING
		SCALE: 5:1	SHEET 2 OF 5 REV 1

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



ONE SIDED CONFIGURATION

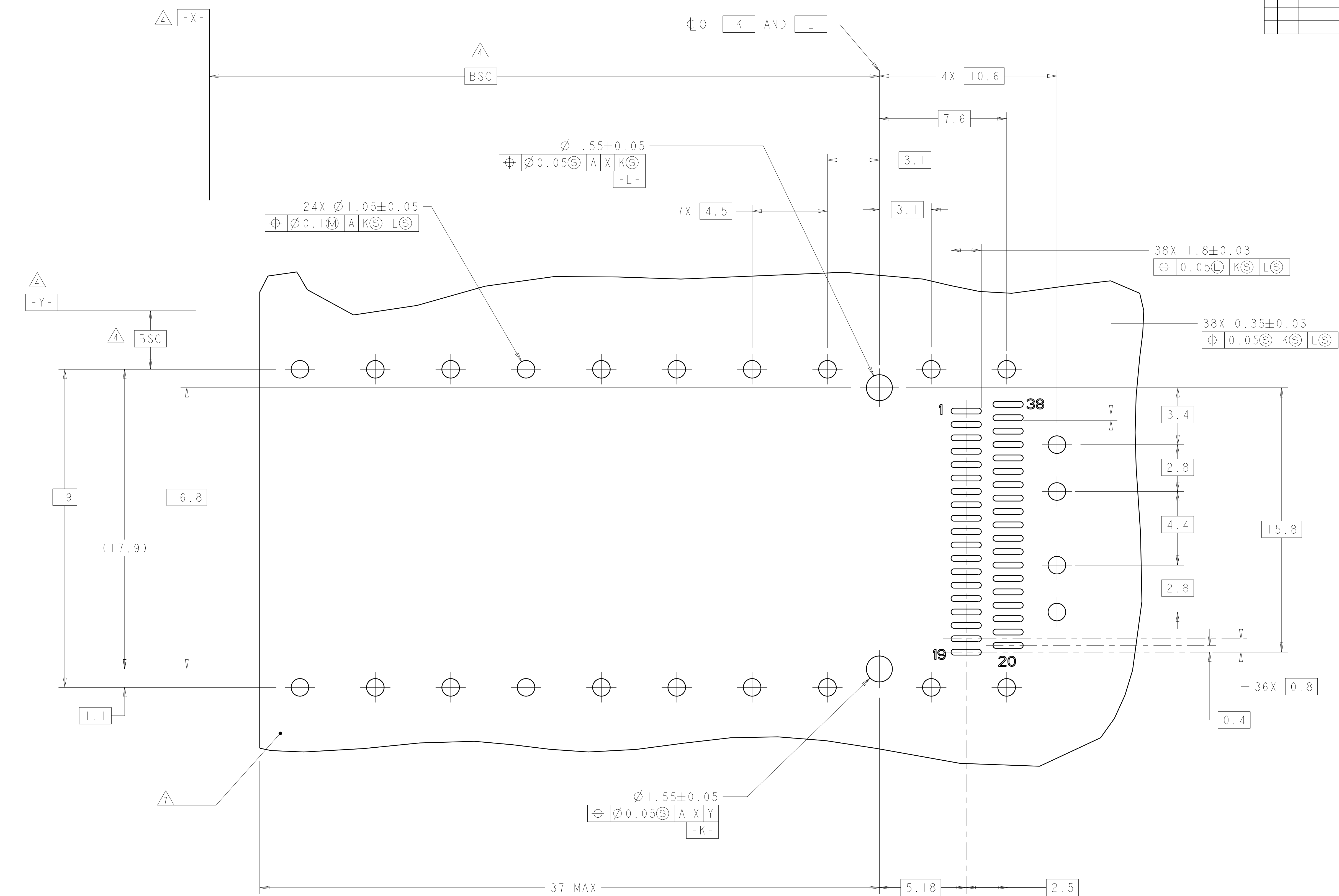


BELLY TO BELLY CONFIGURATION  
 SIMILAR TO ONE SIDED EXCEPT  
 WHERE NOTED

DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±		DWN C. ROHLER 22JUN2009 CHK J. PETERSON 22JUN2009 APPD J. PETERSON 22JUN2009 NAME PRODUCT SPEC APPLICATION SPEC WEIGHT CUSTOMER DRAWING		Tyco Electronics Harrisburg, PA 17105-3608 CAGE ASSEMBLY, BEHIND BEZEL QSFP, SOLDER, WITH HEAT SINK SIZE CAGE CODE DRAWING NO A100779C=2110753 RESTRICTED TO	
MATERIAL		FINISH		SCALE 5:1		SHEET 3 OF 5	



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



RECOMMENDED PCB LAYOUT  
 BELLY TO BELLY CONFIGURATION  
 SEE SHEET 4 FOR KEEP OUT AREAS  
 SCALE 8:1

<small>THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION. ALL RIGHTS RESERVED. THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION. ALL RIGHTS RESERVED. THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION. ALL RIGHTS RESERVED.</small>		DWN C. ROHLER 22JUN2009 CHK J. PETERSON 22JUN2009 APPD J. PETERSON 22JUN2009	Tyco Electronics Harrisburg, PA 17105-3608
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±0.5 1 PLC ±0.13 5 PLC ±0.013 4 PLC ±0.001 ANGLES ±0.001	NAME CAGE ASSEMBLY, BEHIND BEZEL QSFP, SOLDER, WITH HEAT SINK	SIZE CAGE CODE DRAWING NO A100779C=2110753
MATERIAL	FINISH	WEIGHT	RESTRICTED TO
CUSTOMER DRAWING		SCALE 5:1	SHEET 5 OF 5 REV 1