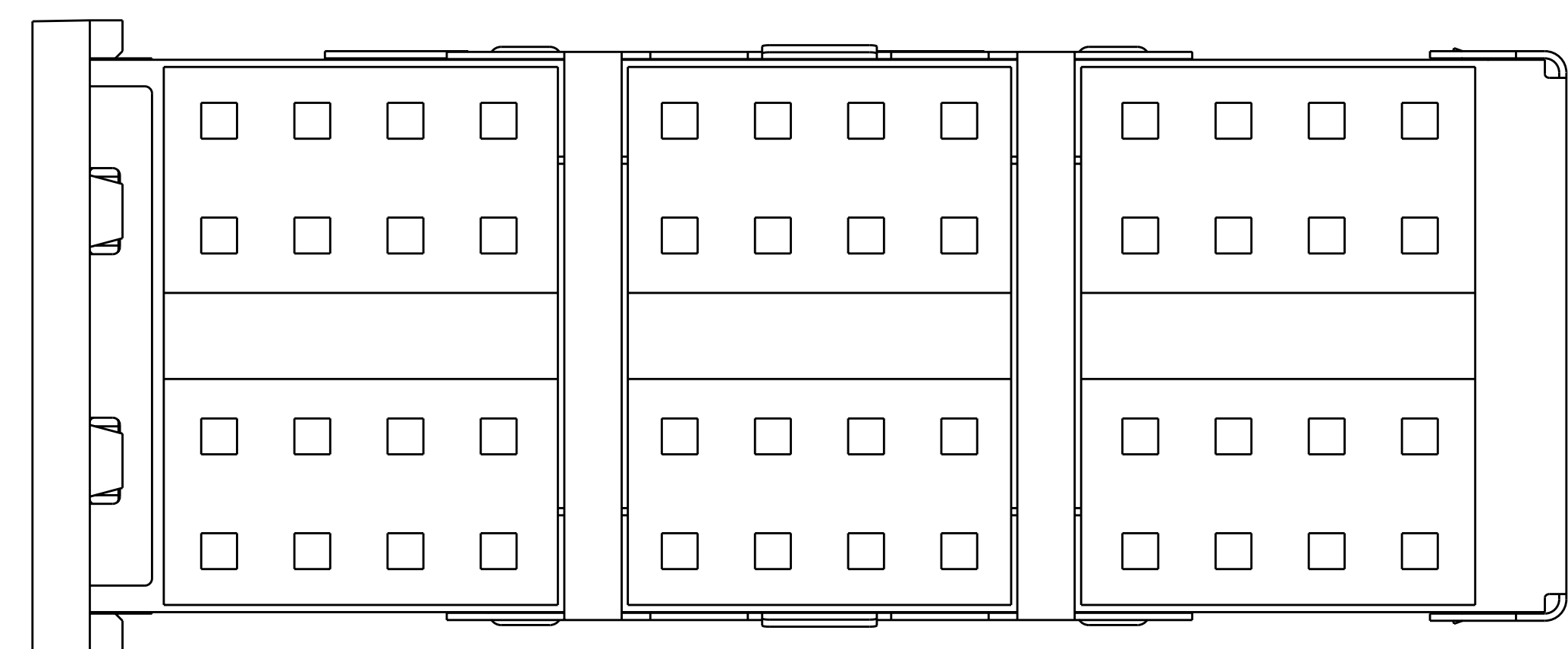
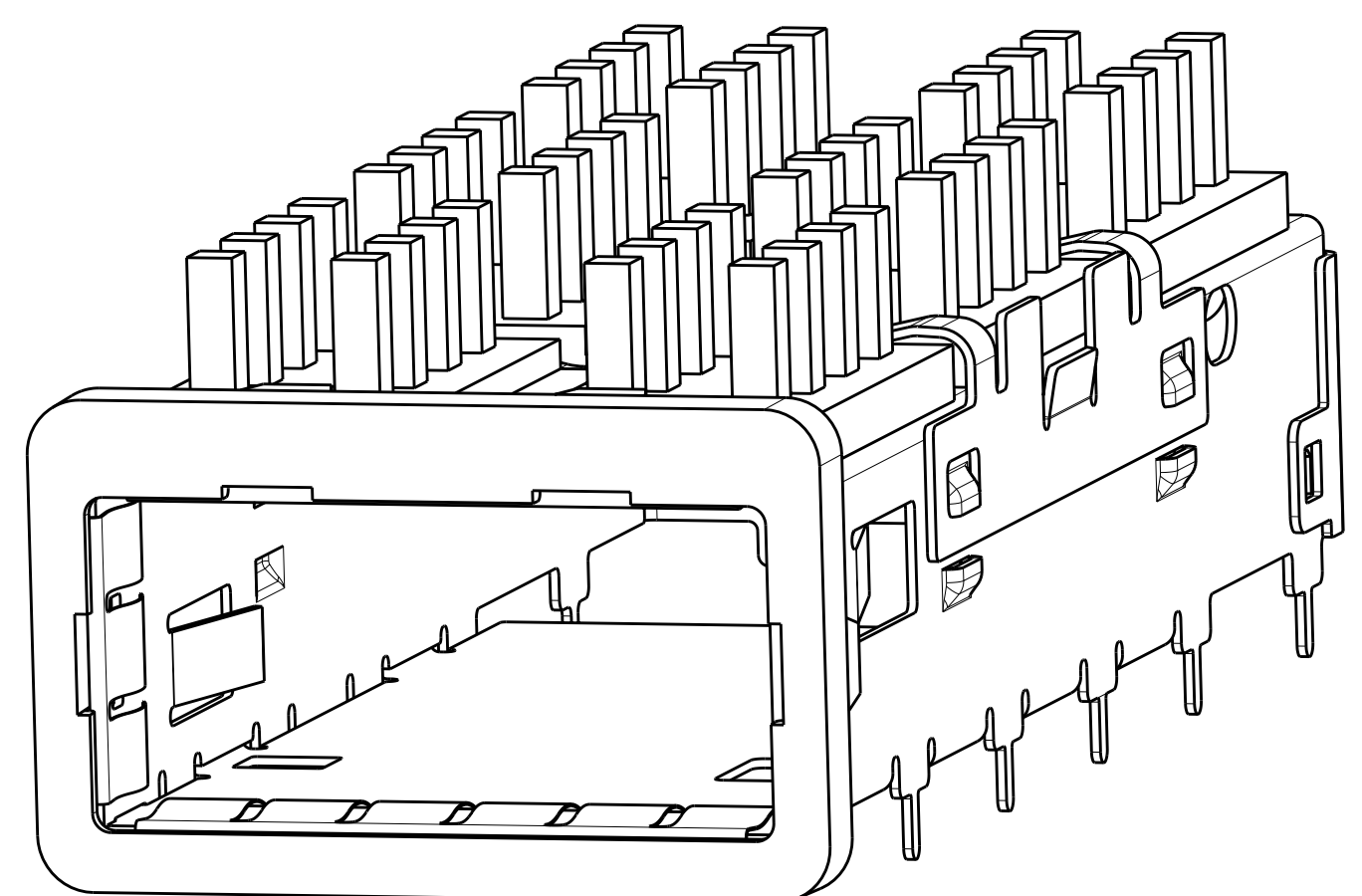
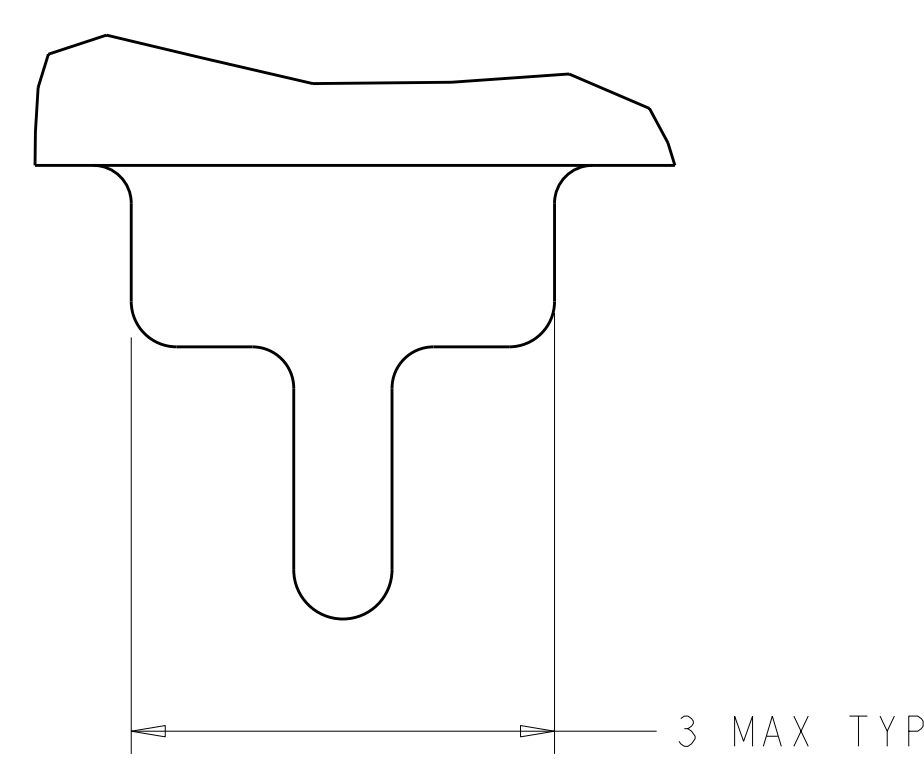
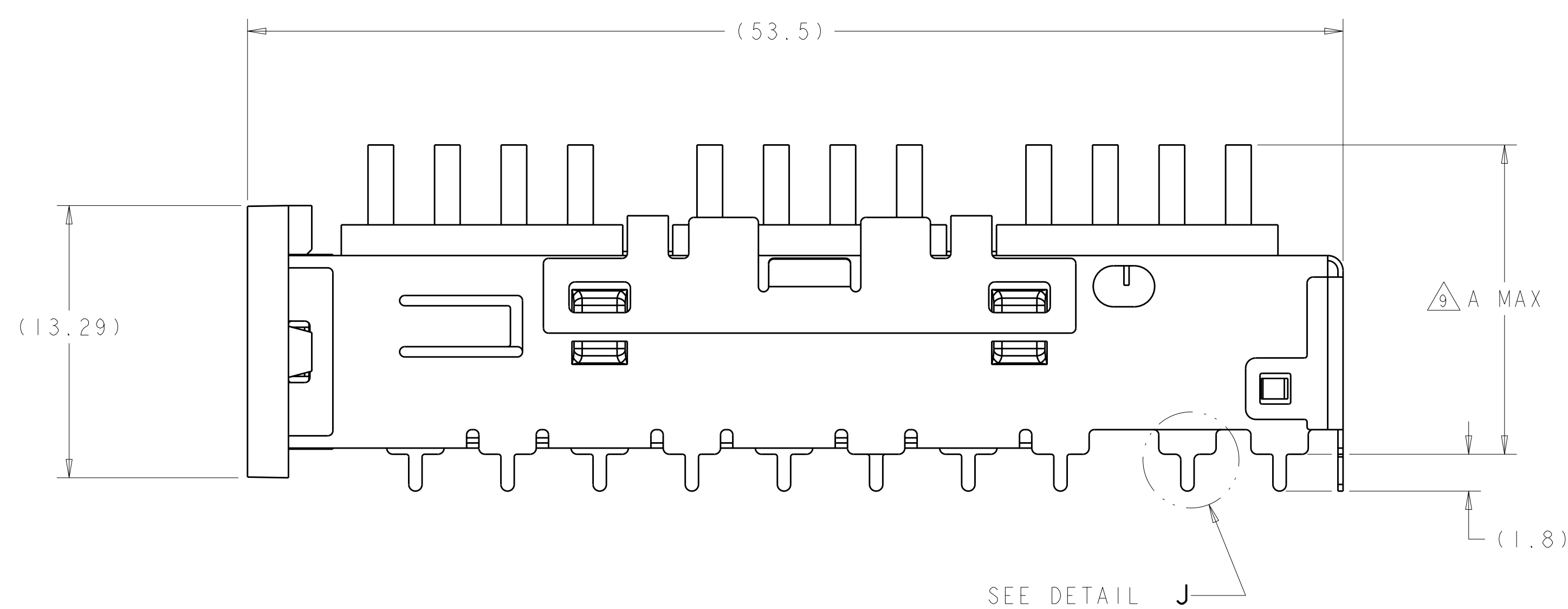
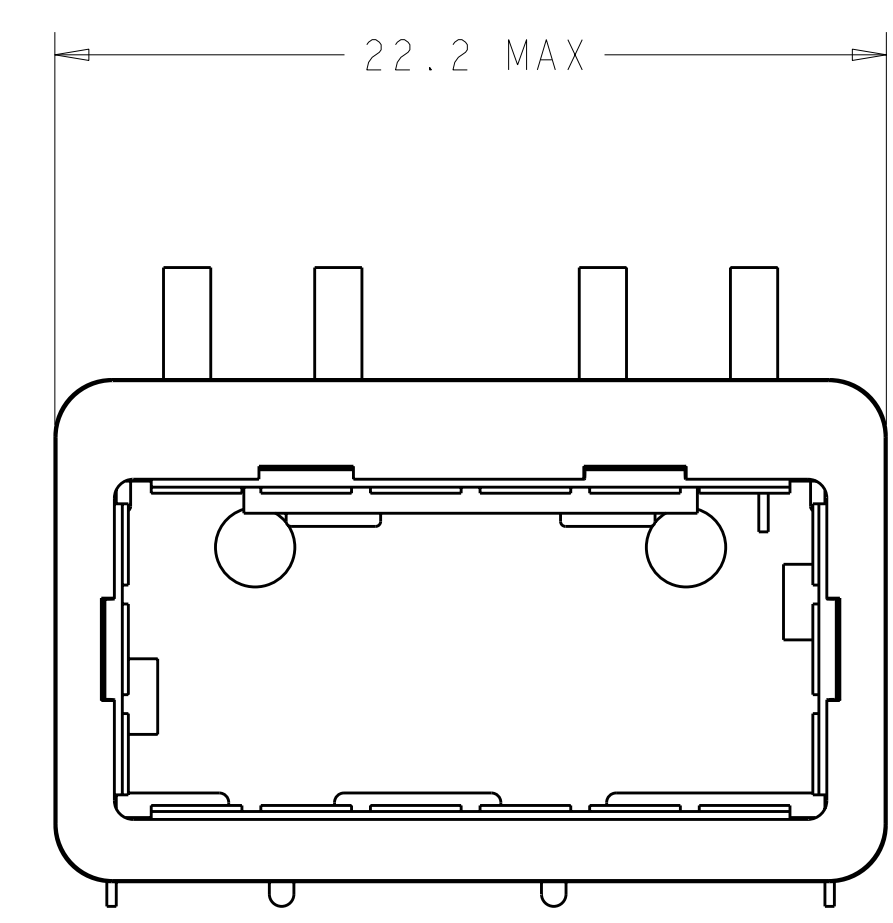


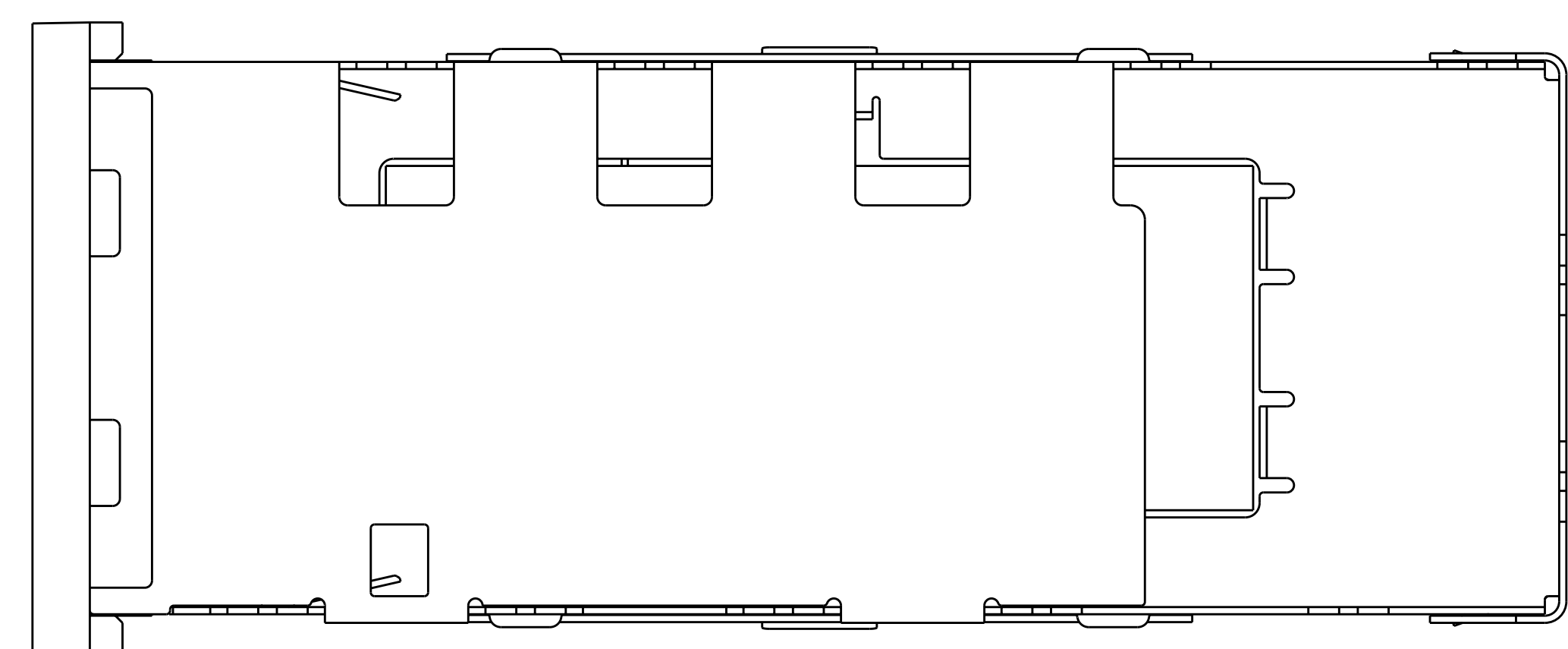
LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPD
		1	22 JUN 2009	CR	JP



- △ 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 (YYWWD) 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.



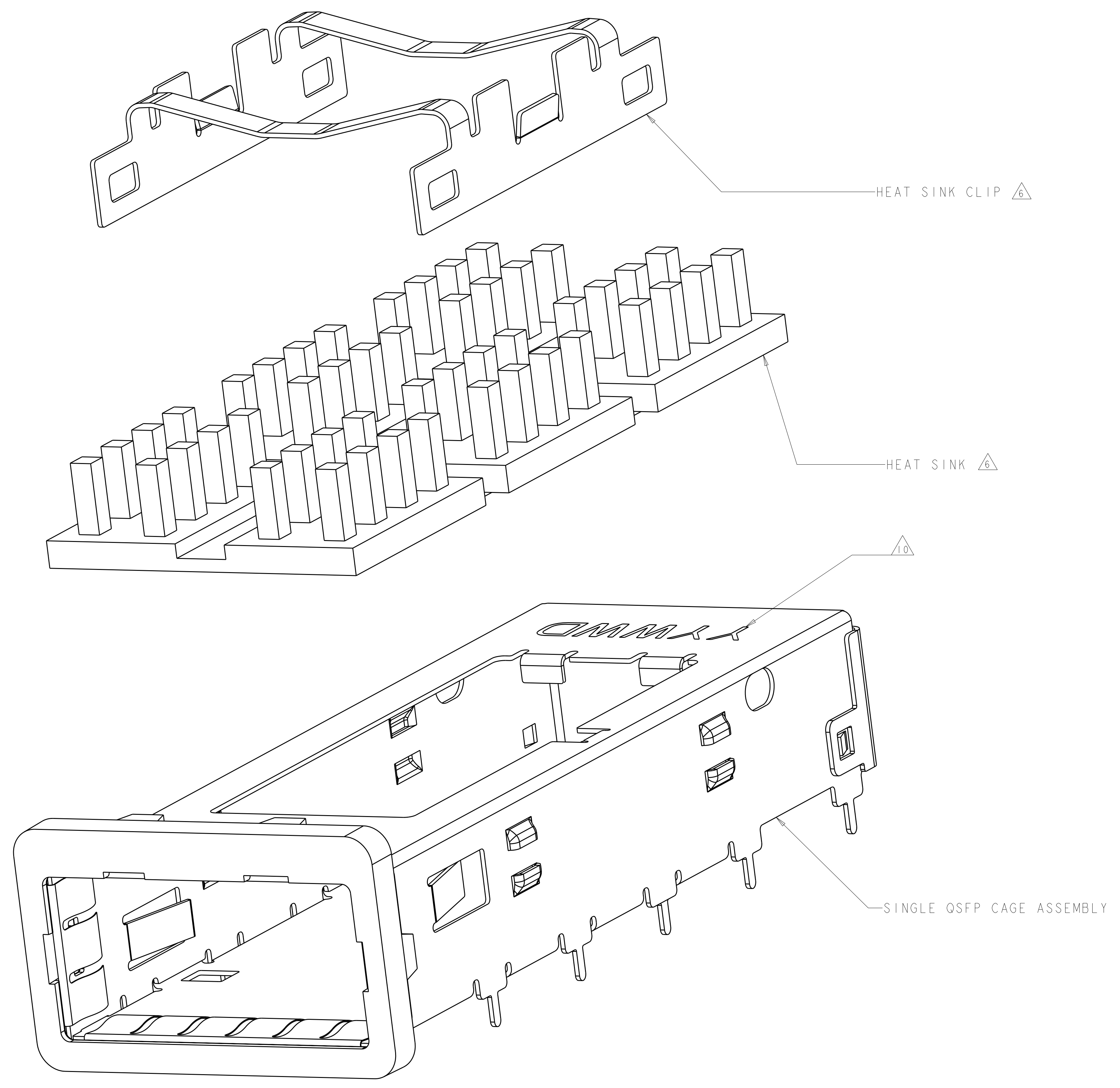
DETAIL J
 SCALE 20:1



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

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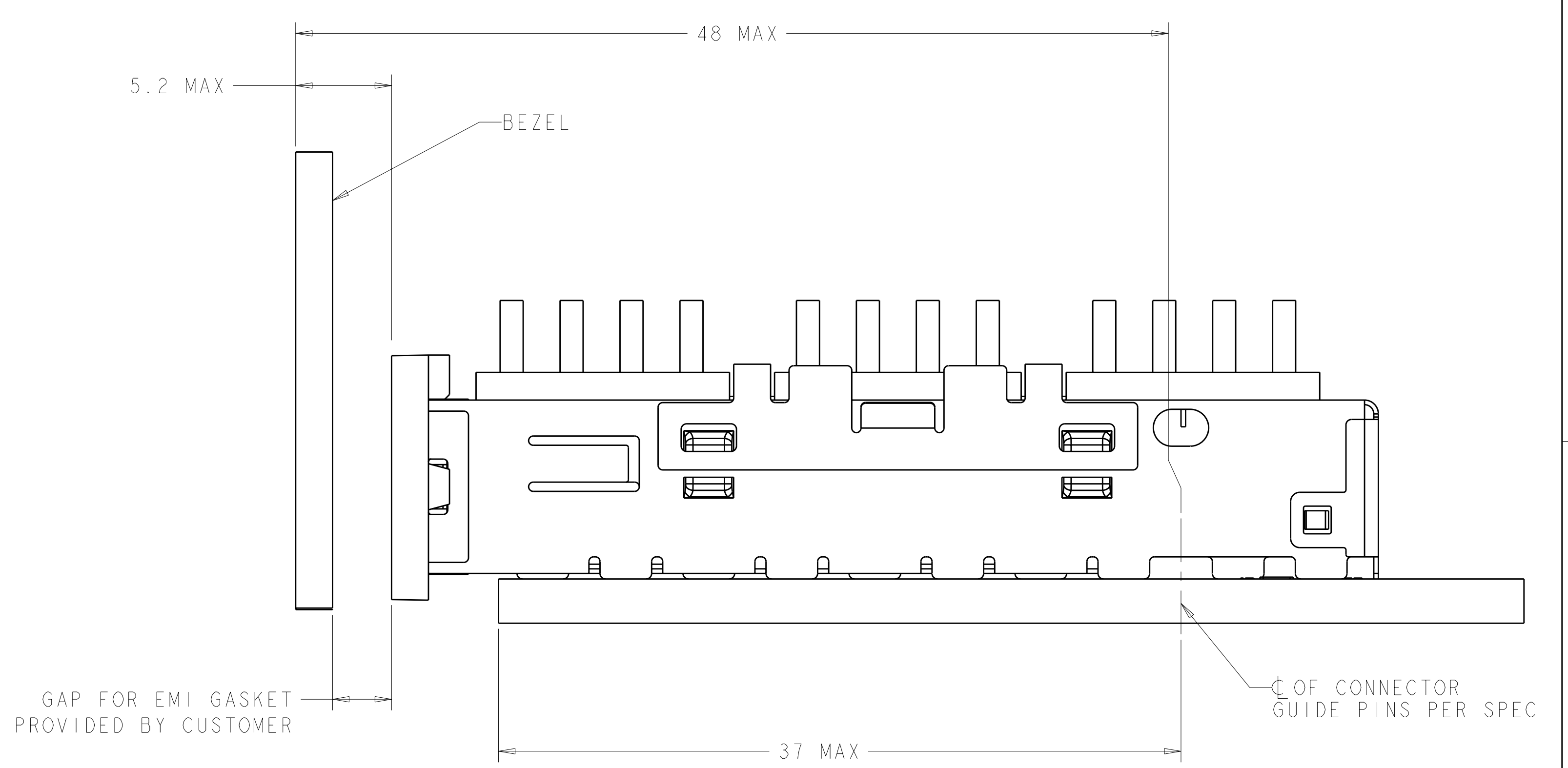
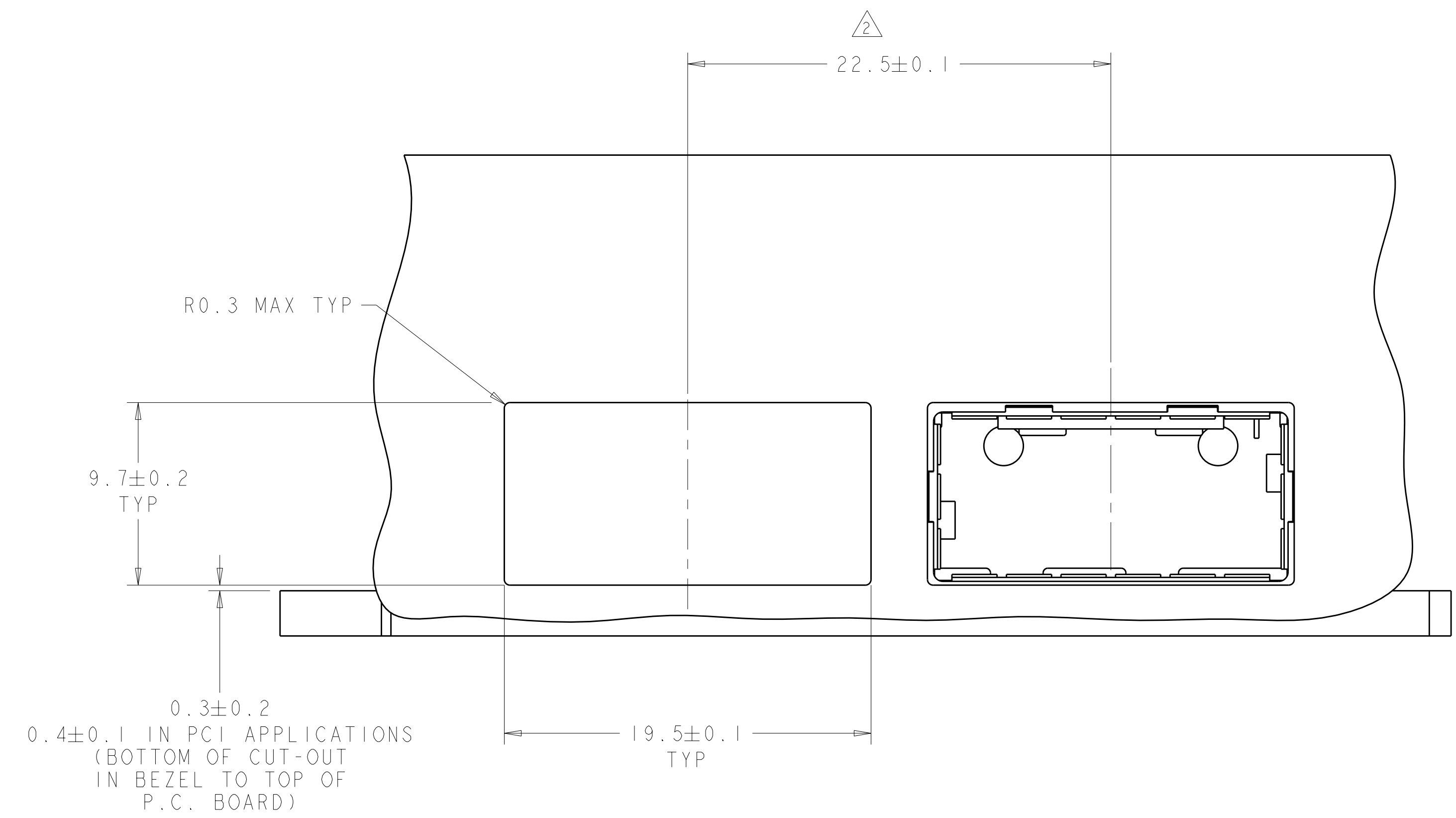
LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	SEE SHEET 1	-	-	-



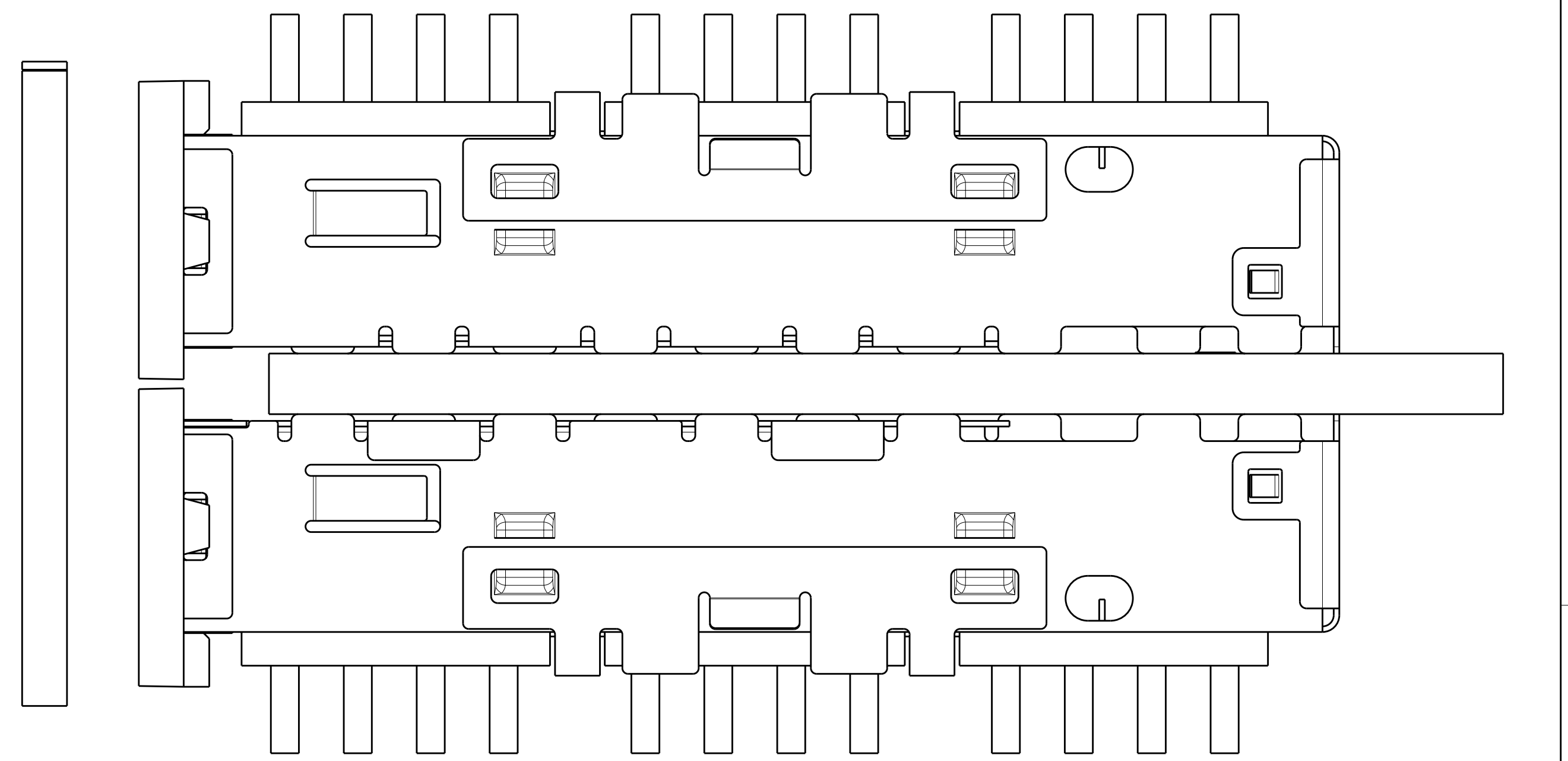
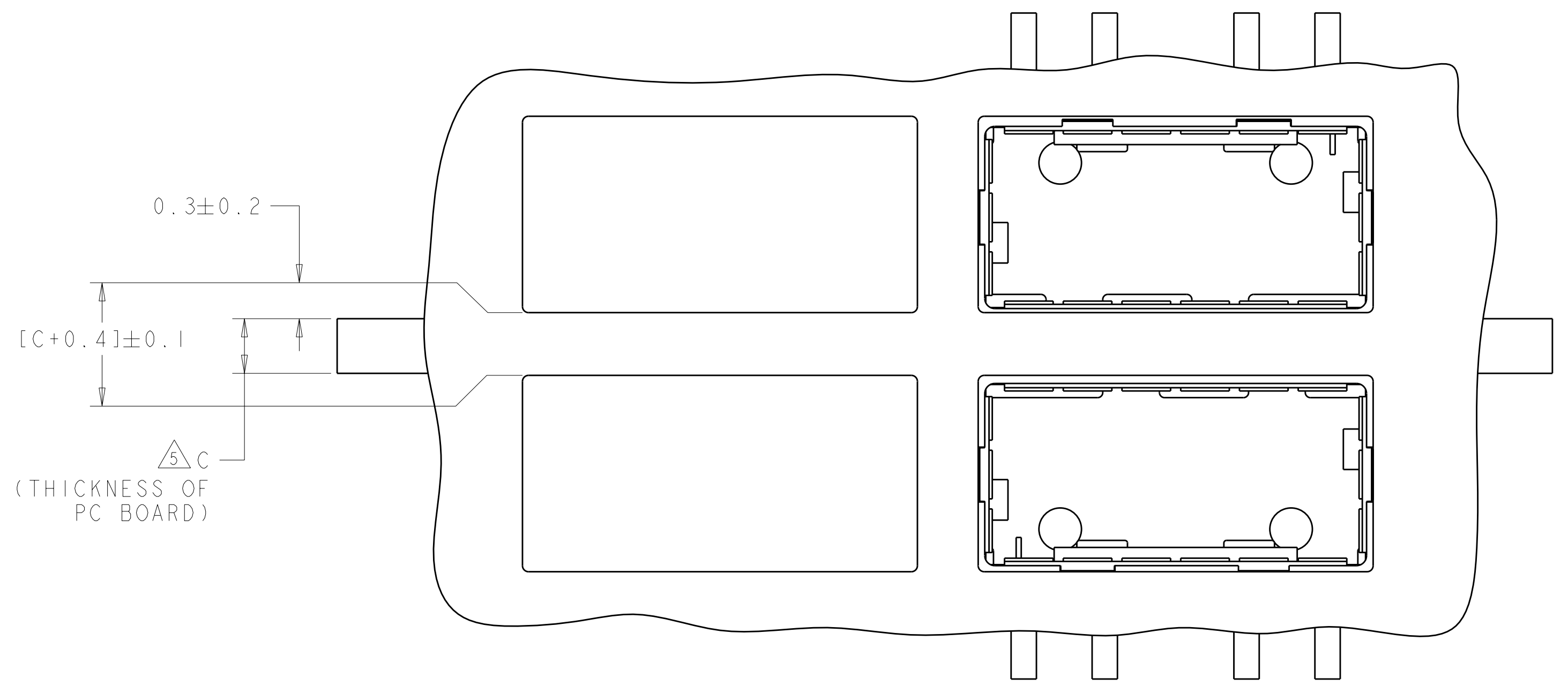
EXPLODED VIEW
 SCALE 8:1

<small>THE DIMENSIONS OF A COMPONENT TO WHICH THIS DRAWING APPLIES ARE SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT LIABILITY TO THE CUSTOMER. THE CUSTOMER SHALL BE CONTACTED FOR THE LATEST REVISION.</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: 9 PLC ±.5 1 PLC ±0.13 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±.0001 FINISH ±.	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			



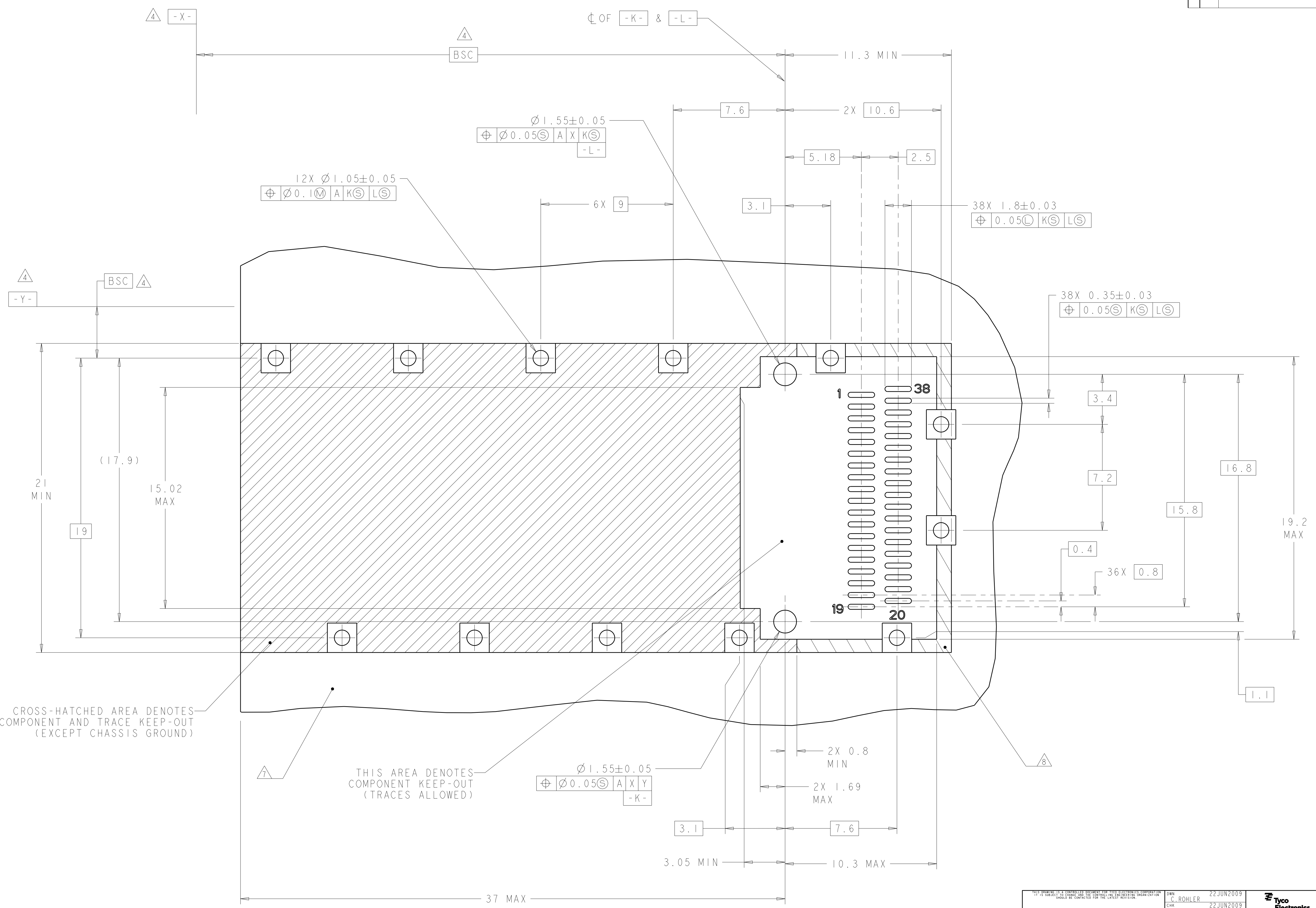
ONE SIDED CONFIGURATION



BELLY TO BELLY CONFIGURATION
 SIMILAR TO ONE SIDED EXCEPT
 WHERE NOTED

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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 PRODUCT SPEC 108-2286 APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO A100779C=2110753
MATERIAL FINISH		WEIGHT CUSTOMER DRAWING	SCALE 5:1 SHEET 3 OF 5 REV 1

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



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

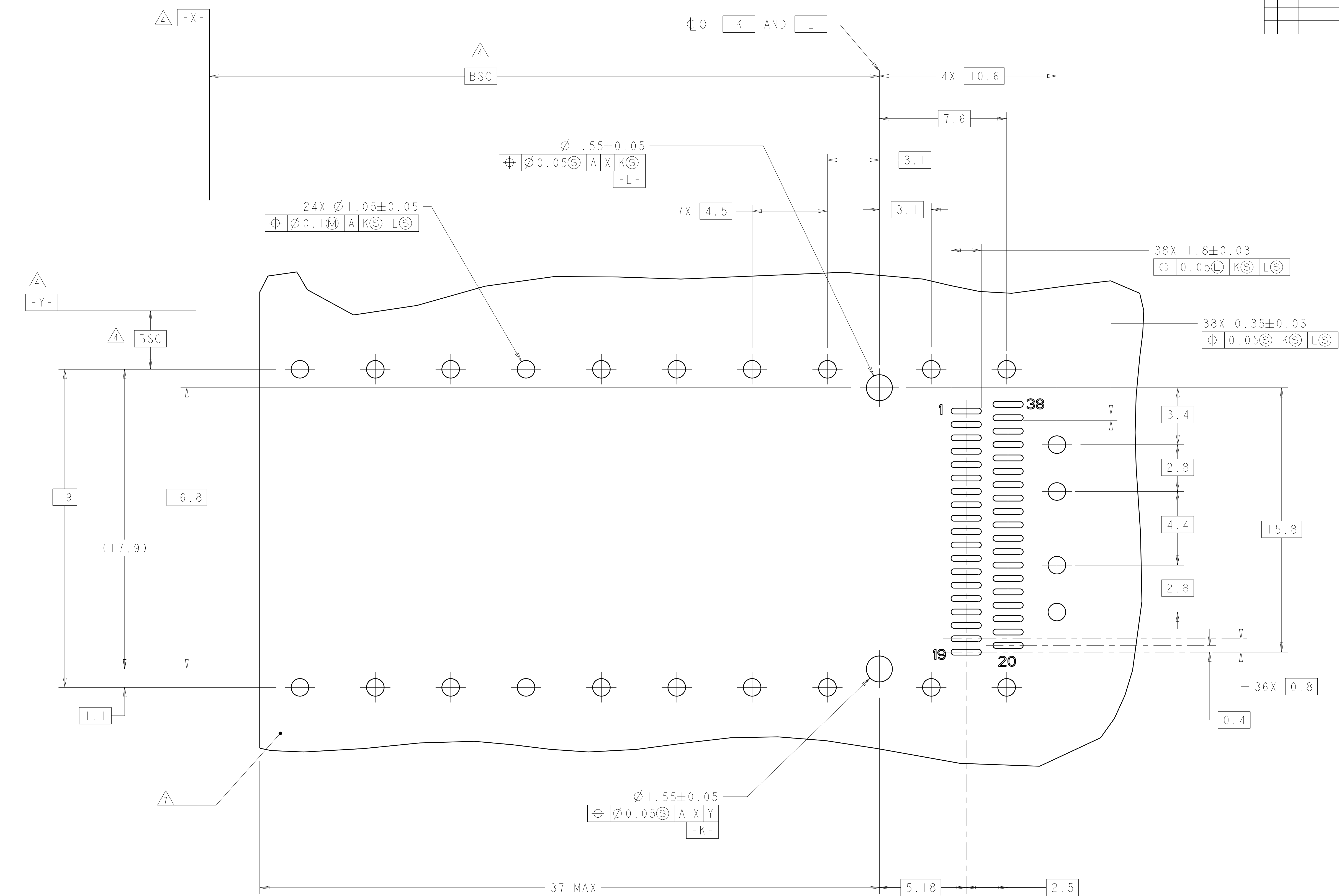
THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

Ø 1.55±0.05
 ⊕ Ø 0.05 S A X Y
 -K-

RECOMMENDED PCB LAYOUT
 SINGLE SIDED CONFIGURATION
 SCALE 8:1

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DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±.5 2 PLC ±0.13 5 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.1	NAME: CAGE ASSEMBLY, BEHIND BEZEL OSFP, SOLDER, WITH HEAT SINK PRODUCT SPEC: 108-2286 APPLICATION SPEC:	SIZE: A CAGE CODE: 100779 DRAWING NO: C=2110753 RESTRICTED TO:
MATERIAL:	FINISH:	WEIGHT:	CUSTOMER DRAWING
		SCALE: 5:1	SHEET 4 OF 5

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



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

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DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±0.5 1 PLC ±0.13 5 PLC ±0.013 4 PLC ±0.0001 ANGLES ±0.001	NAME PRODUCT SPEC APPLICATION SPEC	NAME CAGE CODE DRAWING NO RESTRICTED TO
MATERIAL	FINISH	WEIGHT	SCALE 5:1 SHEET 5 OF 5 REV 1
CUSTOMER DRAWING		A100779C=2110753	