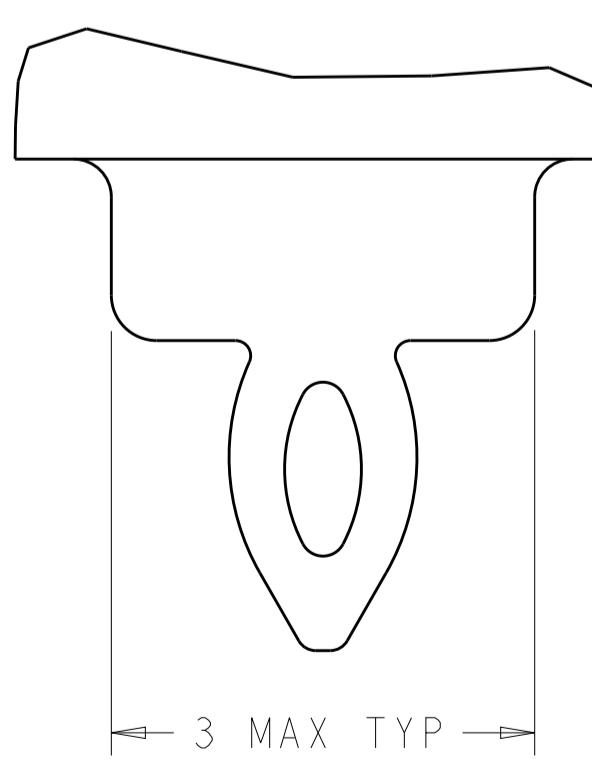
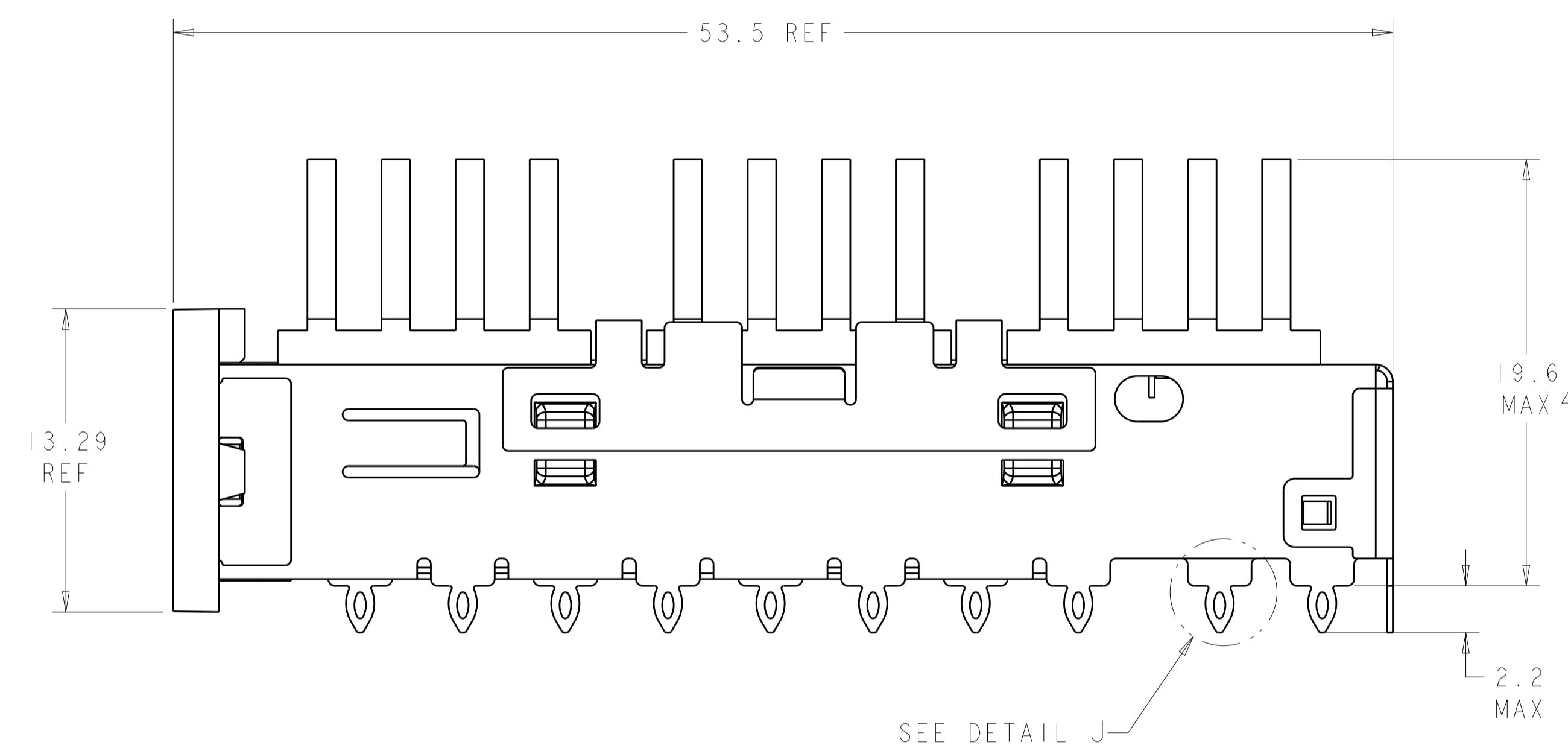
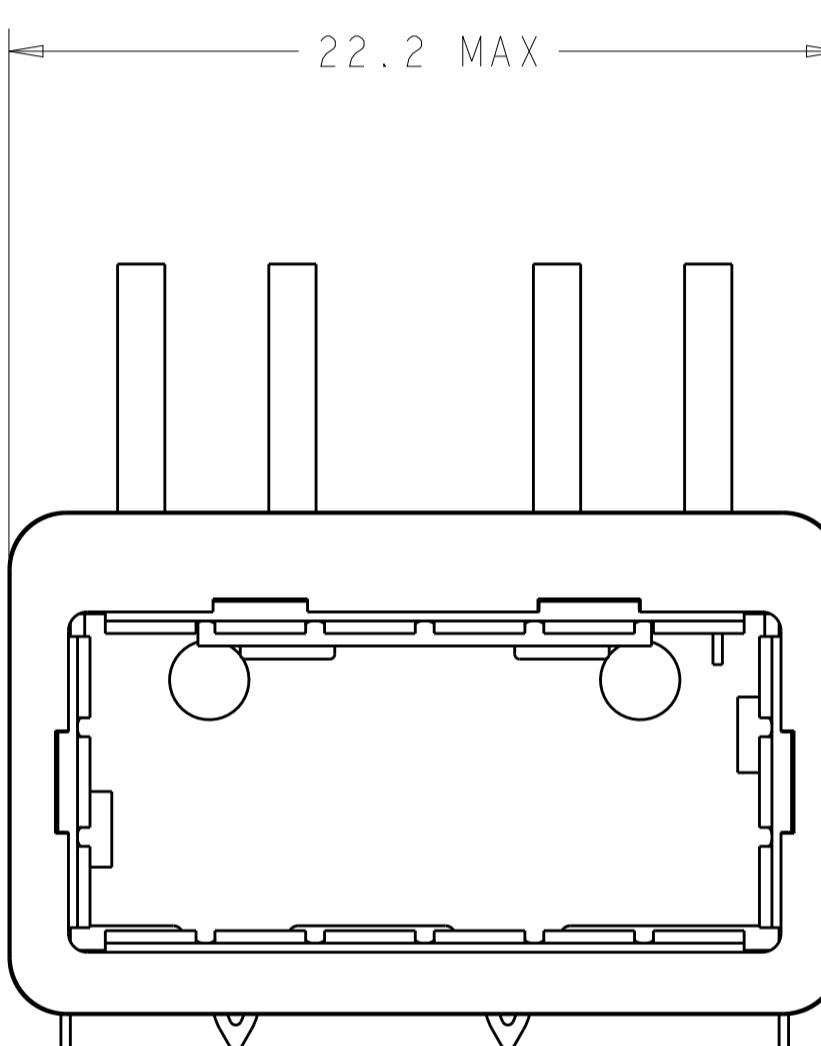
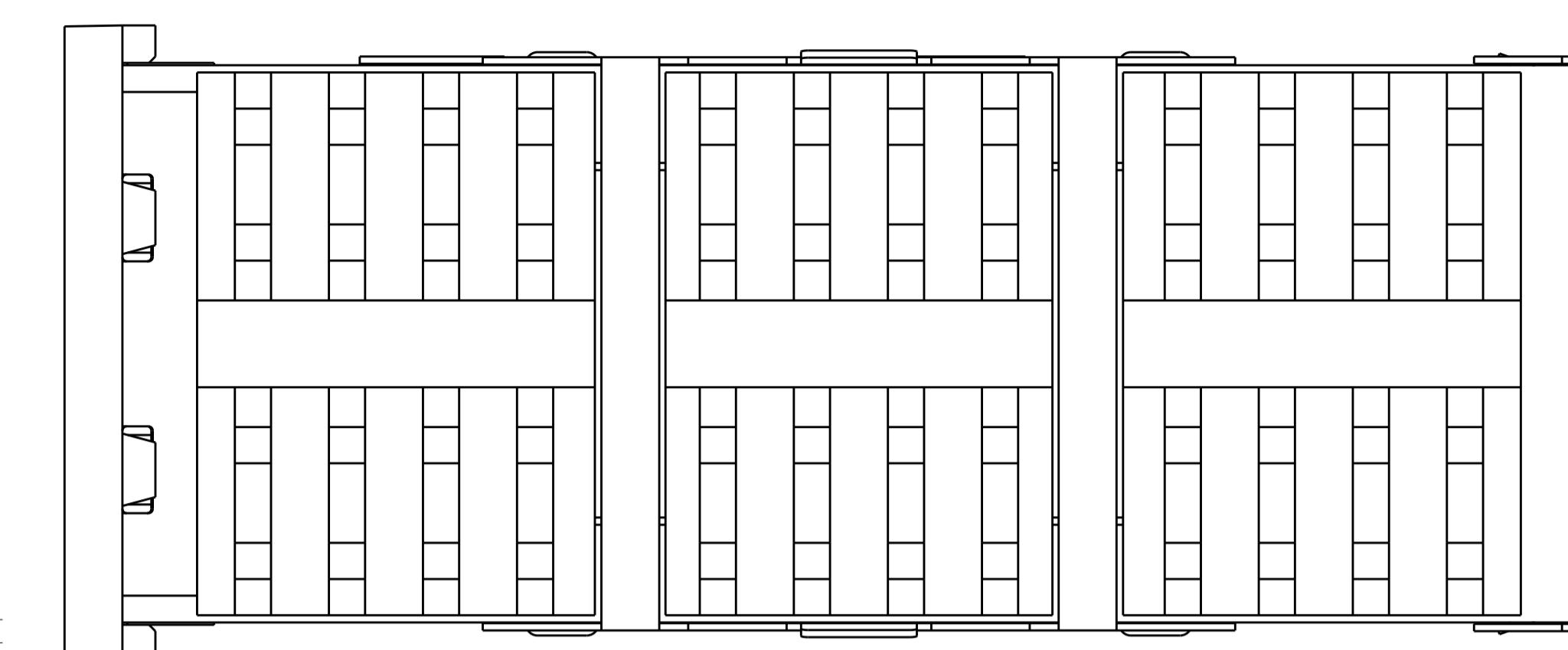
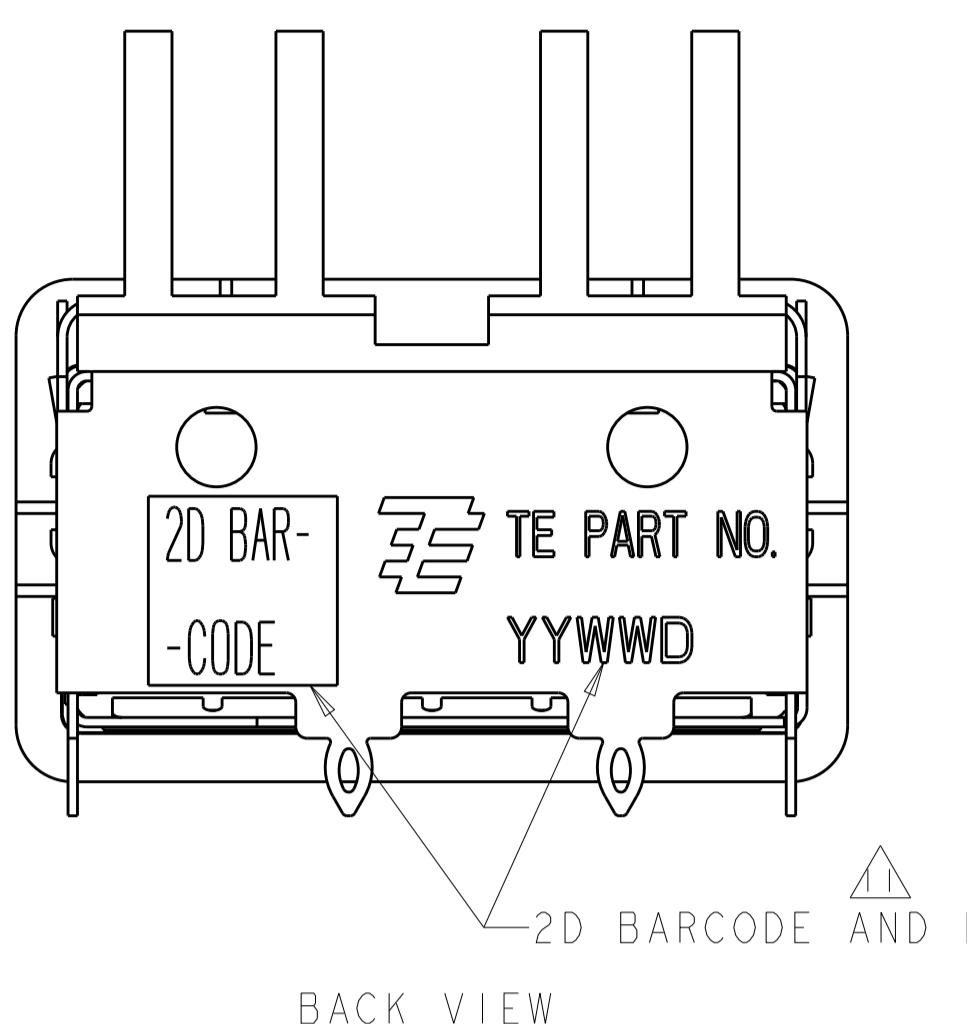
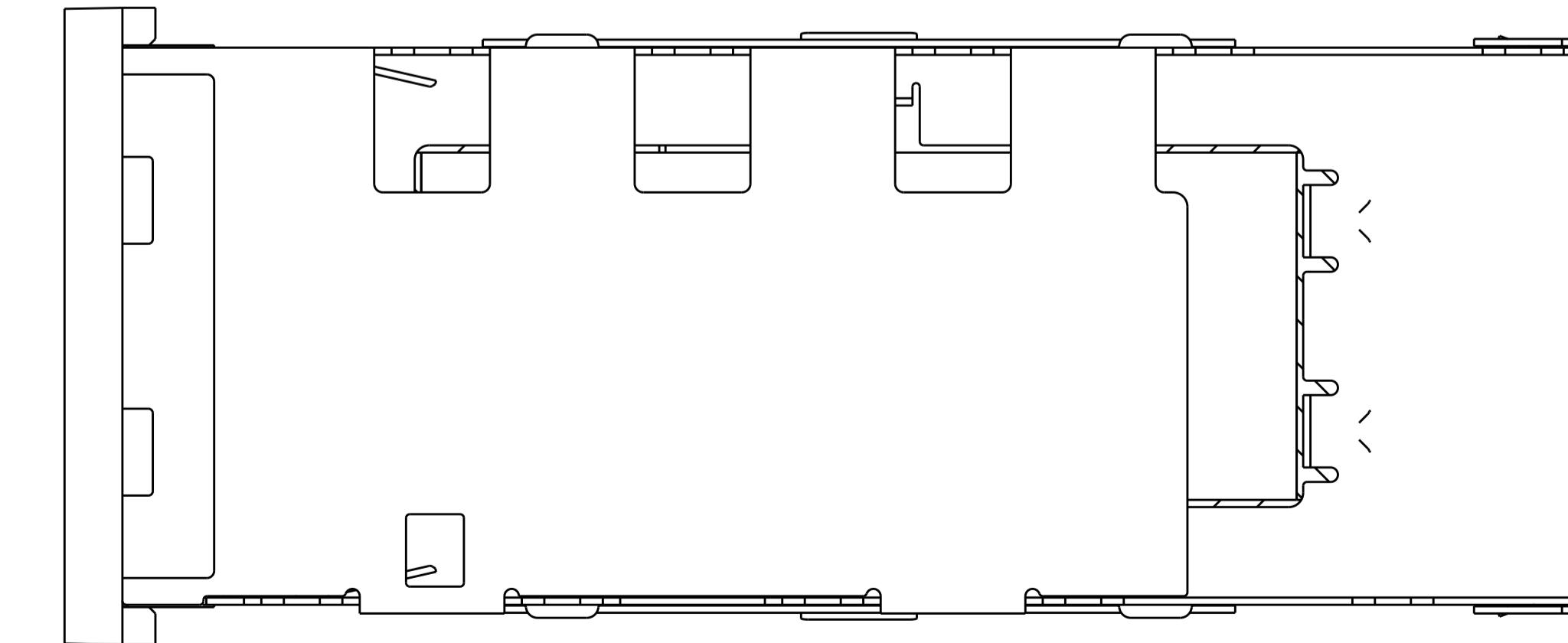


LOC	DIST	REVISIONS	
		GP	00
P	LTR	RELEASED PER ECO-09-022107	29SEP2009 ZMR JRP
A	I	REVISED PER ECO-14-018993	3APR2015 RG MC



DETAIL J  
SCALE 20:1 ⑨



① MATERIAL:  
CAGE - NICKEL SILVER, 0.25 THICK  
HEAT SINK - ALUMINUM  
HEAT SINK CLIP - STAINLESS STEEL  
EMI SPRING - COPPER ALLOY  
FRONT FLANGE - ZINC ALLOY

② MINIMUM PITCH DIMENSION.  
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.

④ REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL  
HOLE DIAMETER AND PLATING THICKNESS.

⑤ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

⑥ DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED  
PC BOARD.  
SINGLE SIDED PC BOARD MINIMUM THICKNESS = 1.45  
DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 2.7

⑦ HEAT SINK AND CLIP SHIPPED ASSEMBLED TO CAGE ASSEMBLY, CAGE  
ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.

⑧ DATUM -A- IS TOP SURFACE OF HOST BOARD.

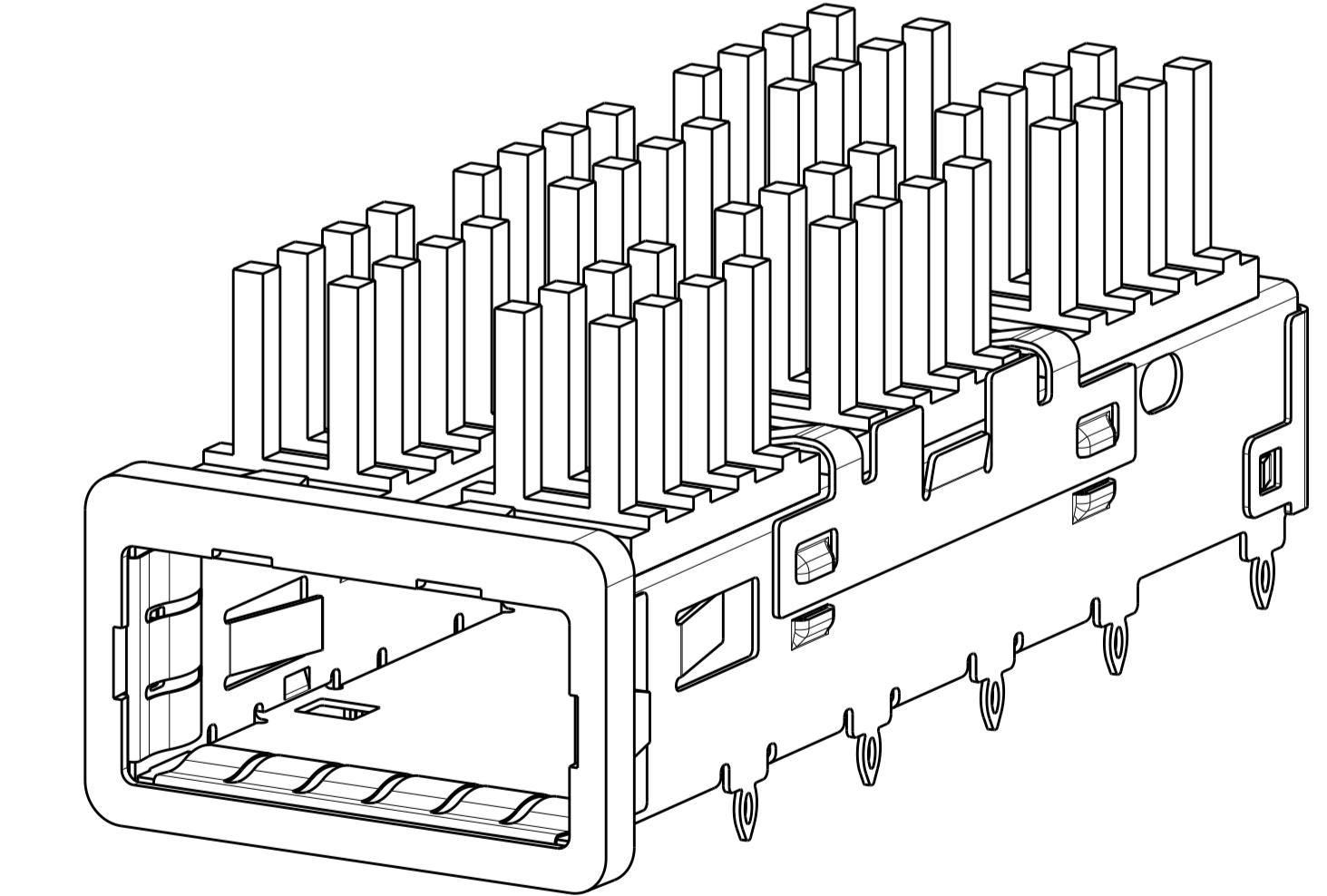
⑨ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE  
STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.

⑩ DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE.

⑪ 2D BARCODE AND DATE CODE (YYWWWD) MARKED ON BACK OF  
CAGE.

⑫ FINISH:  
EMI SPRING: 2 $\mu$ m MIN TIN.  
HEAT SINK FINISH: 0.76 $\mu$ m MIN NICKEL.  
FRONT FLANGE: 3 $\mu$ m MIN TIN OVER 1.27 $\mu$ m MIN NICKEL OVER  
5.08 $\mu$ m MIN COPPER.

13. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.



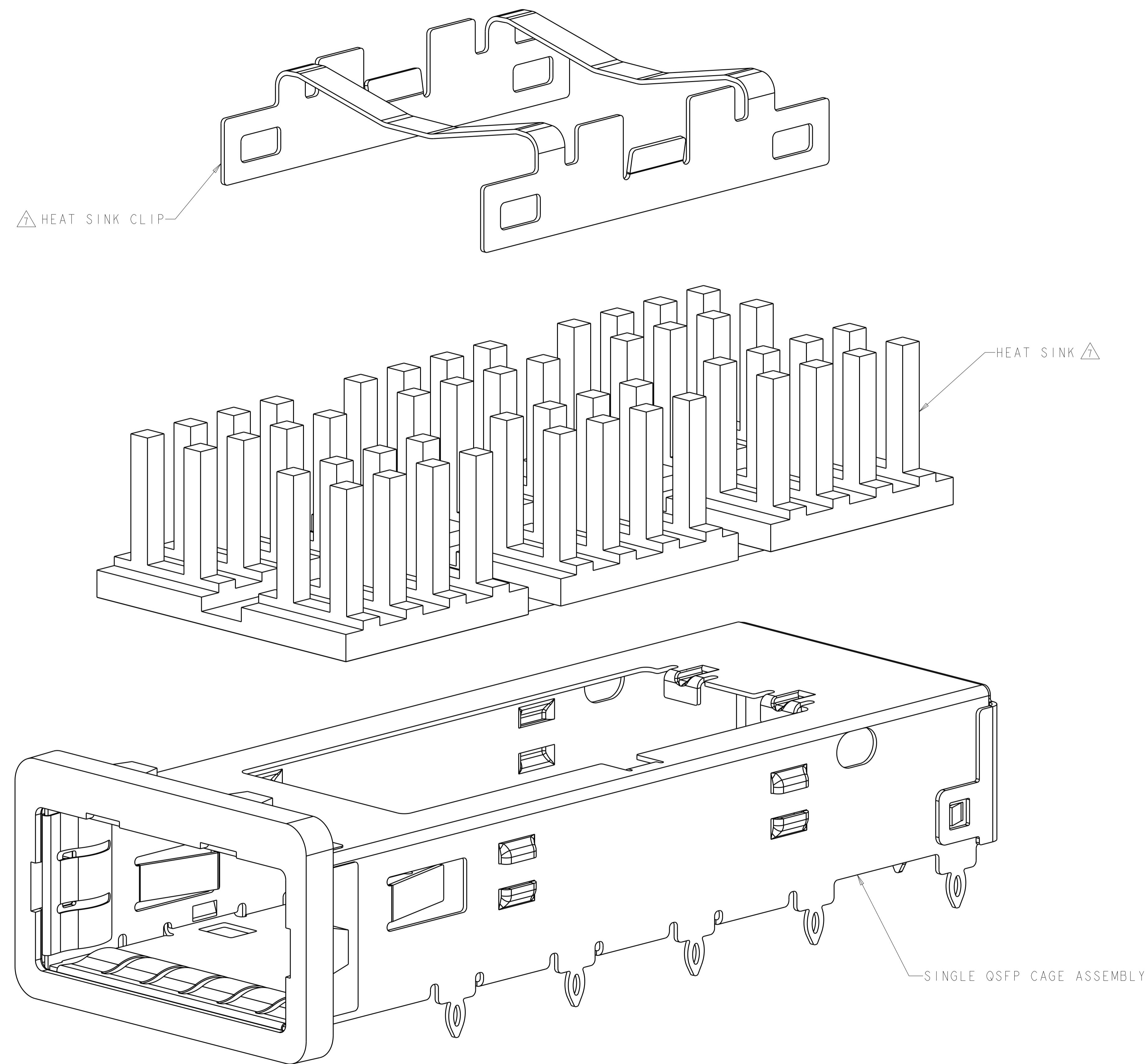
2057855-1  
SCALE 4:1

2057855-1

PART  
NUMBER

06DEC2008	06DEC2008	Tyco Electronics
06DEC2008	06DEC2008	Harrisburg, PA 17105-3608
J.R.PETERSON	J.R.PETERSON	
R.H.WERTZ	R.H.WERTZ	
PRODUCT SPEC	APPLICATION SPEC	QSFP
108-2286	114-13218	CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK
MATERIAL	FINISH	SIZE CAGE CODE DRAWING NO
⑪	⑫	A 100779 C=2057855
ANGLE	ANGLE	RESTRICTED TO
WEIGHT	-	-
CUSTOMER DRAWING	SCALE 5:1	SHEET 1 OF 5 REV A1

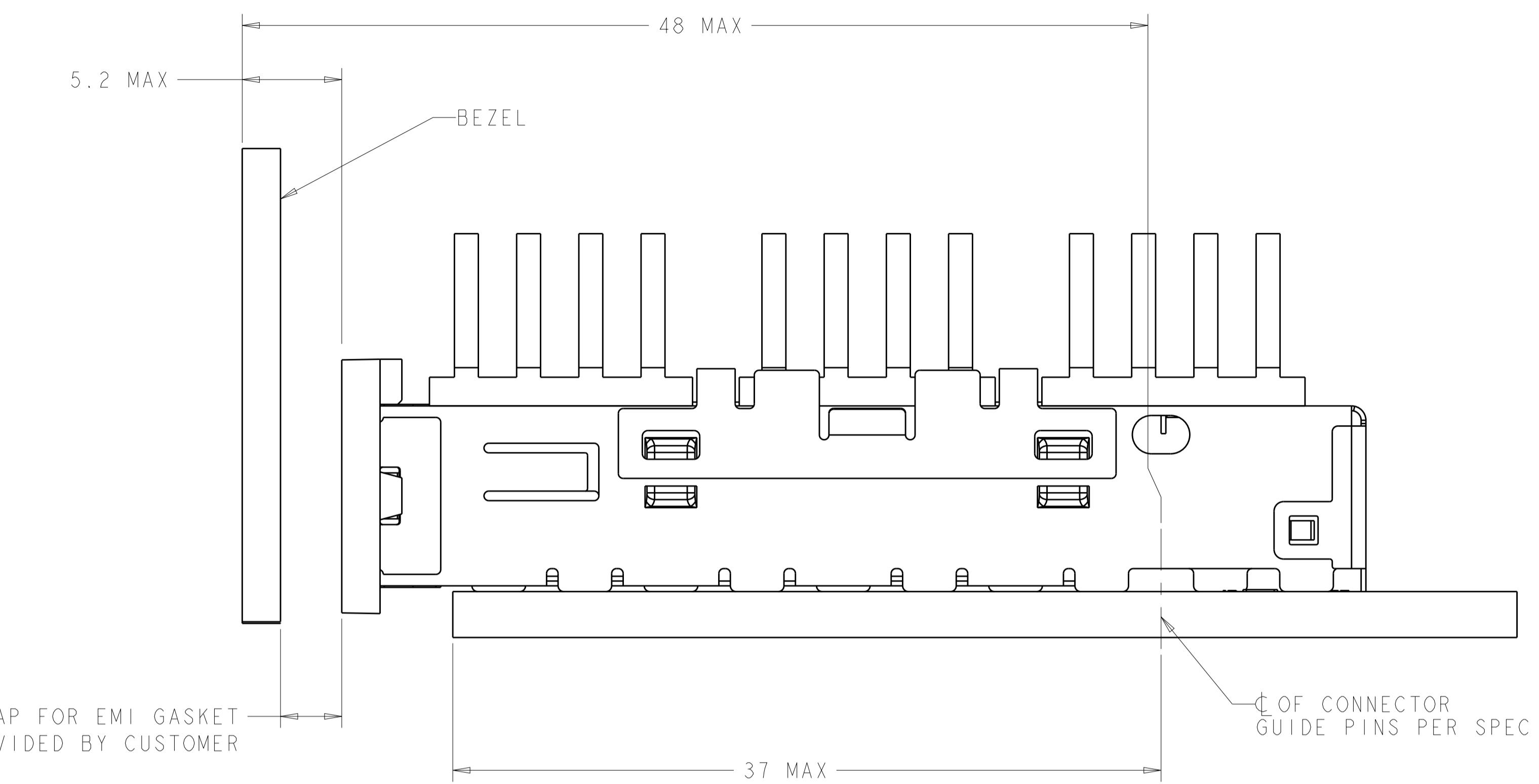
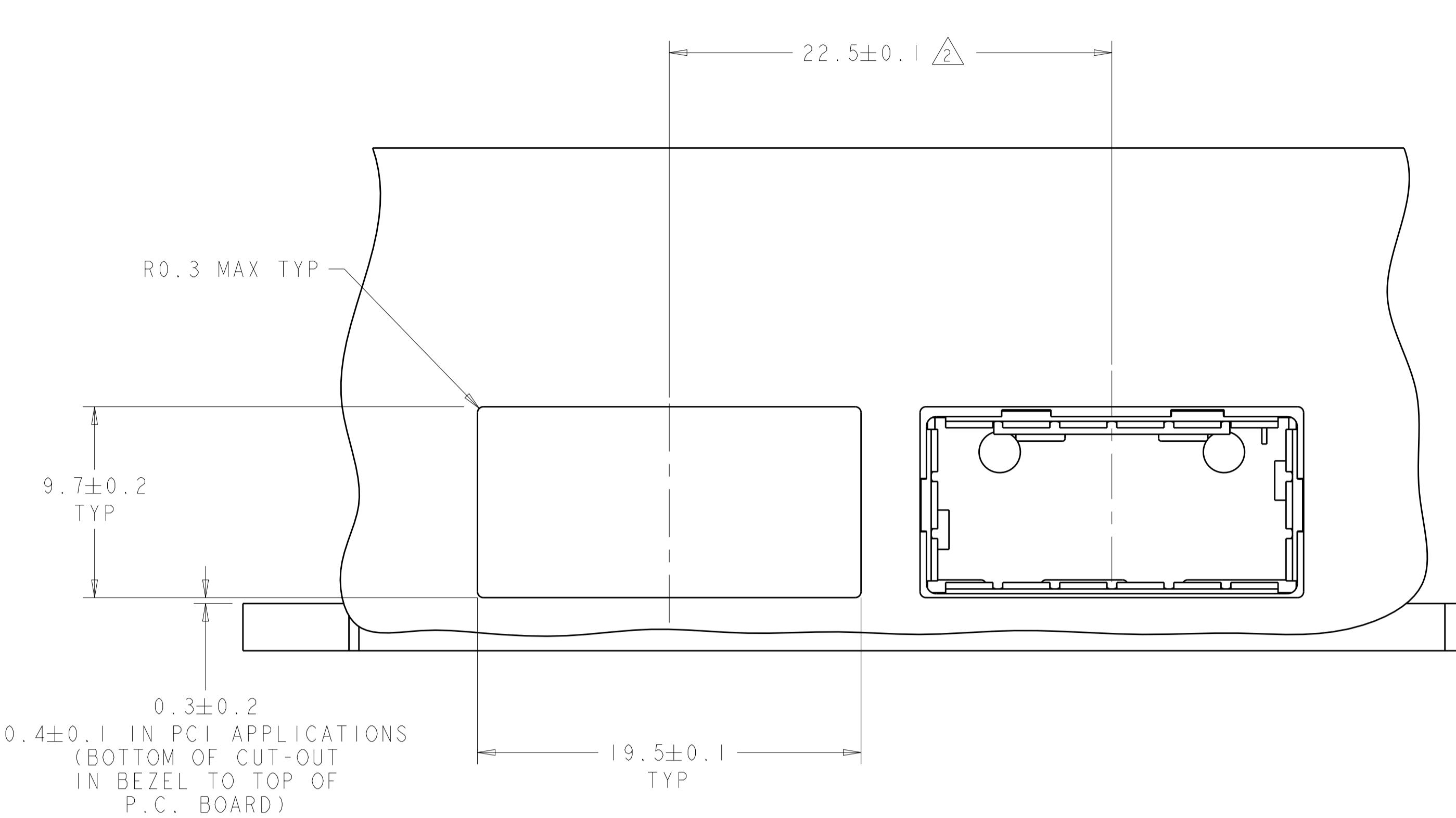
LOC	DIST	REVISIONS				
		GP	00	P LTR	DESCRIPTION	DATE
				-	SEE SHEET 1	-



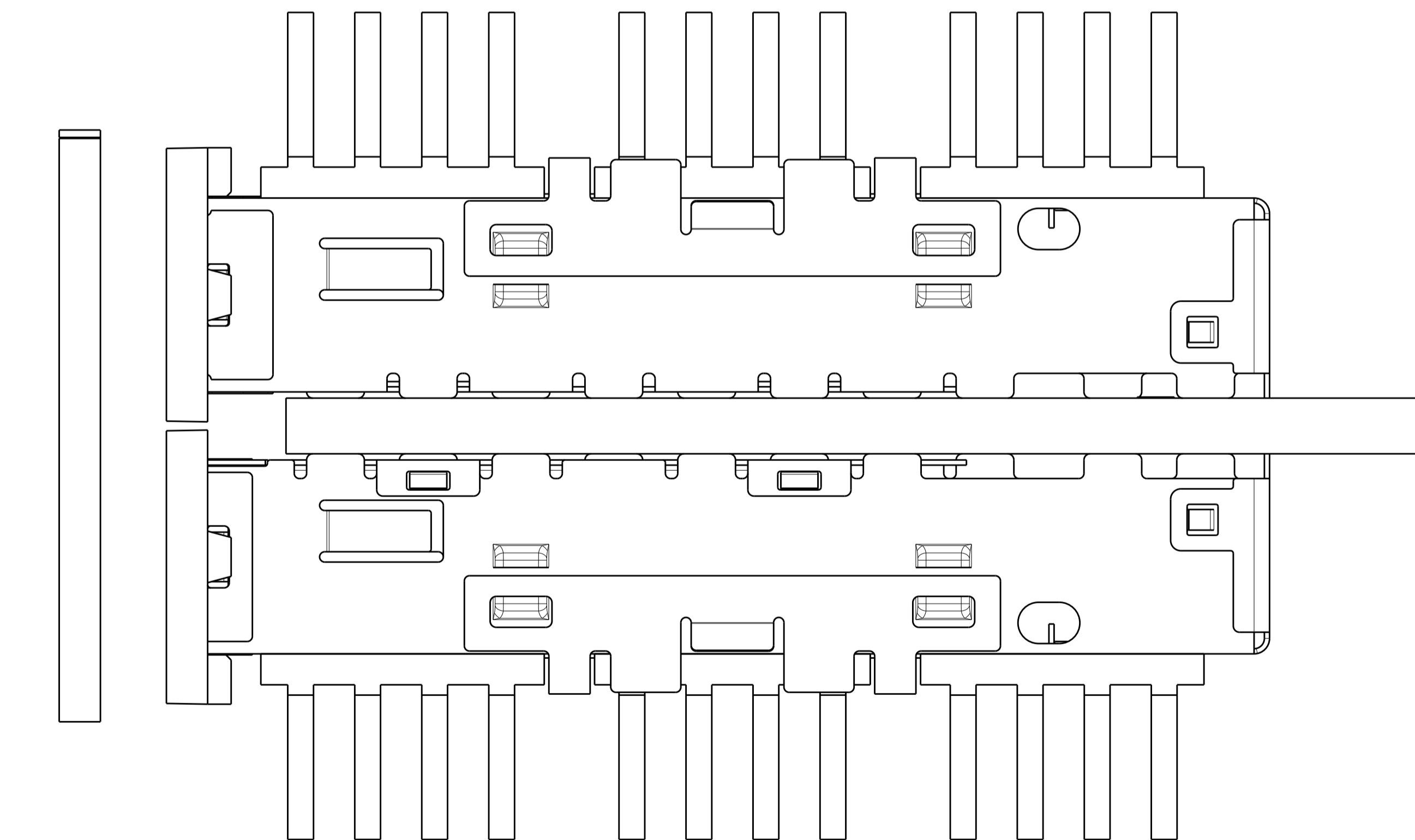
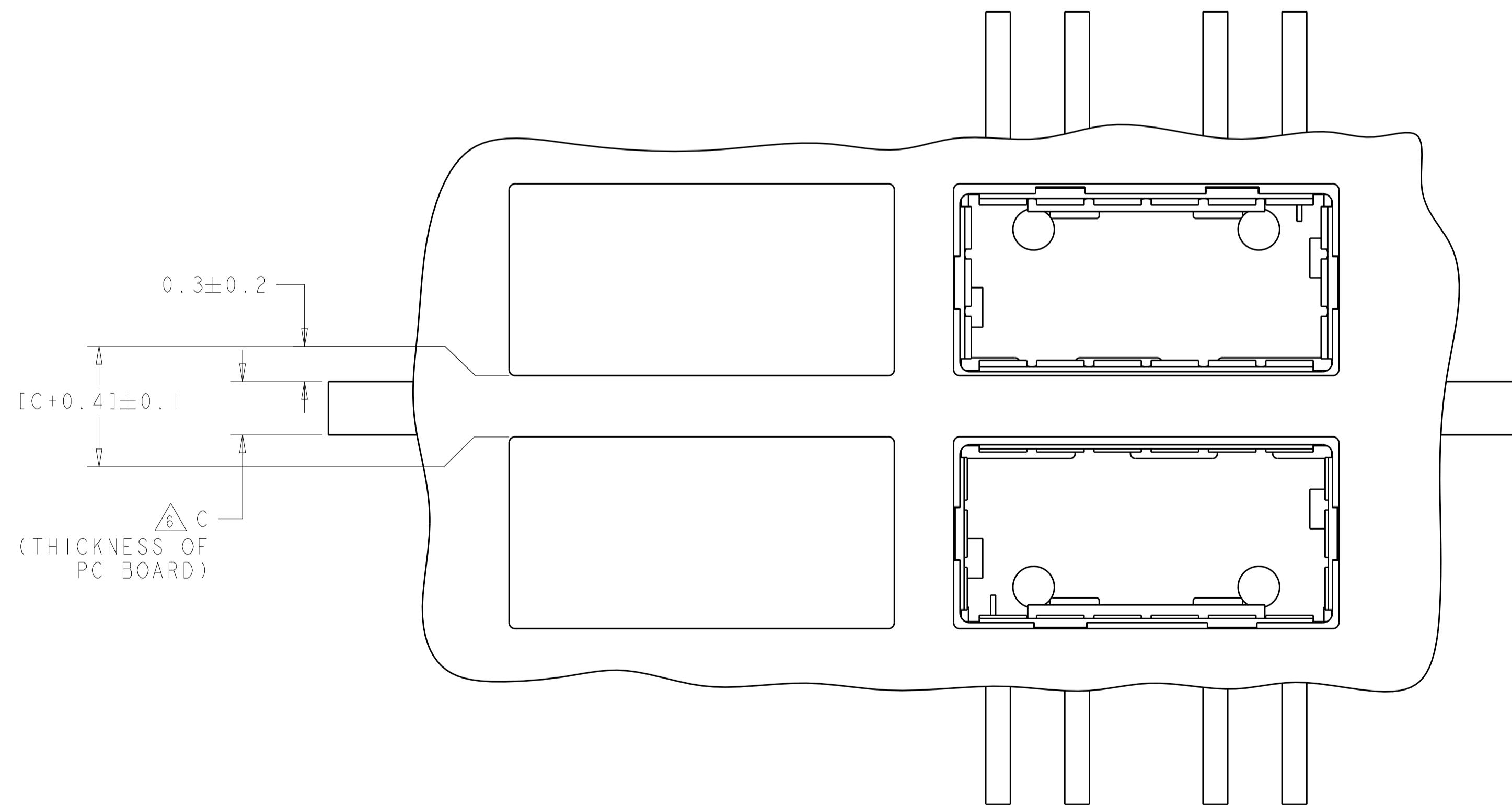
EXPLDED VIEW  
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT IT IS THE LATEST REVISION. FOR REVISION INFORMATION, THE USER SHOULD BE CONTACTED FOR THE LATEST REVISION.		06DEC2008	06DEC2008	06DEC2008	06DEC2008
NAME	J. M. REAM	CH. J. R. PETERSON	APV. R. H. WERTZ	PRODUCT SPEC	NAME
NAME	J. M. REAM	CH. J. R. PETERSON	APV. R. H. WERTZ	108-2286	NAME
NAME	J. M. REAM	CH. J. R. PETERSON	APV. R. H. WERTZ	APPLICATION SPEC	NAME
NAME	J. M. REAM	CH. J. R. PETERSON	APV. R. H. WERTZ	114-13218	NAME
NAME	J. M. REAM	CH. J. R. PETERSON	APV. R. H. WERTZ	WEIGHT	NAME
SIZE	CAGE CODE	DRAWING NO.	RESTRICTED TO	SIZE	CAGE CODE
REV A	100779	C=2057855	-	REV A	100779
CUSTOMER DRAWING				SCALE 5:1	SHEET 2 OF 5

LOC	DIST	REVISIONS		
GP	00	P	LTR	SEE SHEET 1
		-	-	-
		-	-	-
		-	-	-
		-	-	-



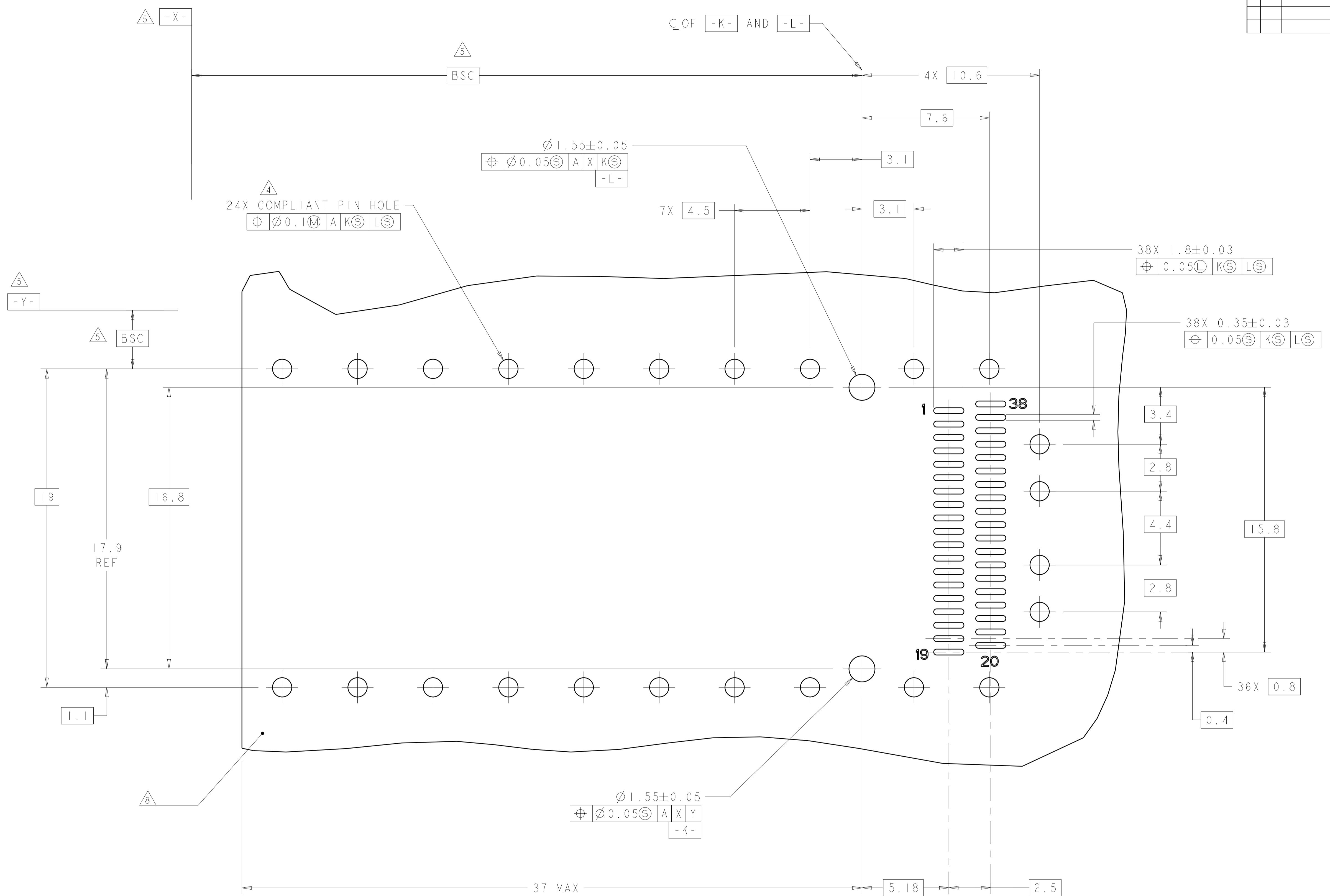
ONE SIDED CONFIGURATION

BELLY TO BELLY CONFIGURATION  
SIMILAR TO ONE SIDED EXCEPT  
WHERE NOTED

THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT IT IS THE LATEST REVISION. FOR REVISION INFORMATION, THE USER SHOULD BE CONTACTED FOR THE LATEST REVISION.		06DEC2008	06DEC2008	06DEC2008
CH	J. R. PETERSON	CH	J. R. PETERSON	CH
APV	R. H. WERTZ	APV	R. H. WERTZ	APV
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	APPLICATION SPEC	RESTRICTED TO
mm	0 PLC ±0.0001 1 PLC ±0.005 2 PLC ±0.013 3 PLC ±0.013 4 PLC ±0.0001	108-2286	114-13218	
MATERIAL	FINISH	ANGLES	WEIGHT	
CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK		SIZE	CAGE CODE / DRAWING NO.	
A 100779 C=2057855				
CUSTOMER DRAWING		SCALE	5:1	REV A1
AMP 4805 REV 31MAR2000		DATE	DNW	APV0



LOC	DIST	REVISIONS		
		GP	00	P LTR
				- SEE SHEET 1
				- - -



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

THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT IT IS THE LATEST REVISION. FOR THE LATEST REVISION, THE USER SHOULD BE CONTACTED FOR THE LATEST REVISION.		06DEC2008	06DEC2008	06DEC2008
NAME	J. M. REAM	CH. J. R. PETERSON	R. H. WERTZ	TYCO Electronics
APV	06DEC2008	06DEC2008	06DEC2008	Harrisburg, PA 17105-3608
PRODUCT SPEC	108-2286	108-2286	108-2286	QSFP
APPLICATION SPEC	114-13218	114-13218	114-13218	CAGE ASSEMBLY, BEHIND BEZEL WITH HEAT SINK
WEIGHT	-	-	-	RESTRICTED TO
CUSTOMER DRAWING	A 100779	C=2057855	A	-
SCALE	4:1	SHEET	5	OF 5
REV	A			