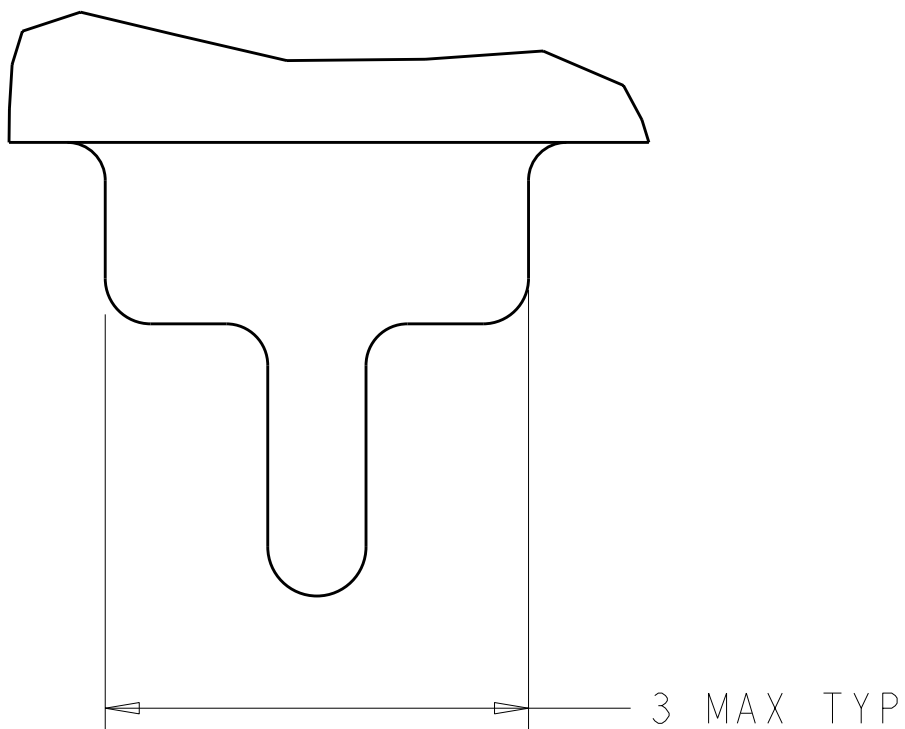
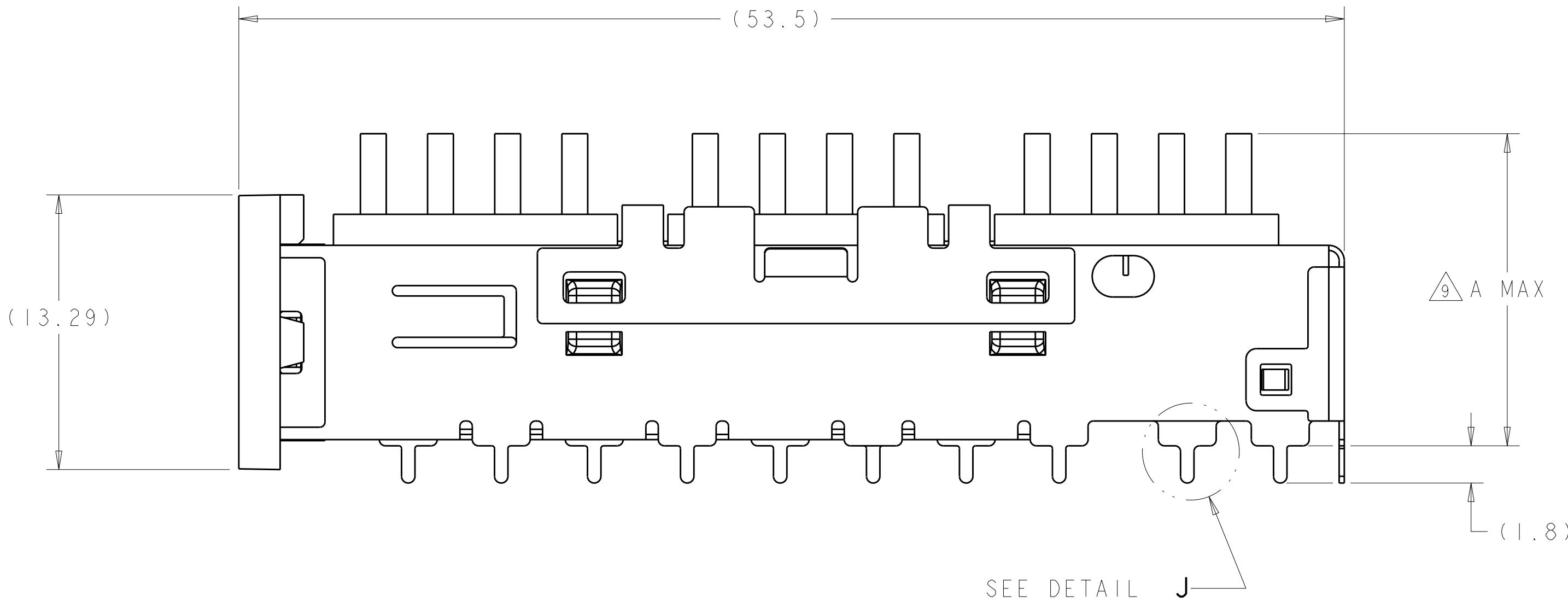
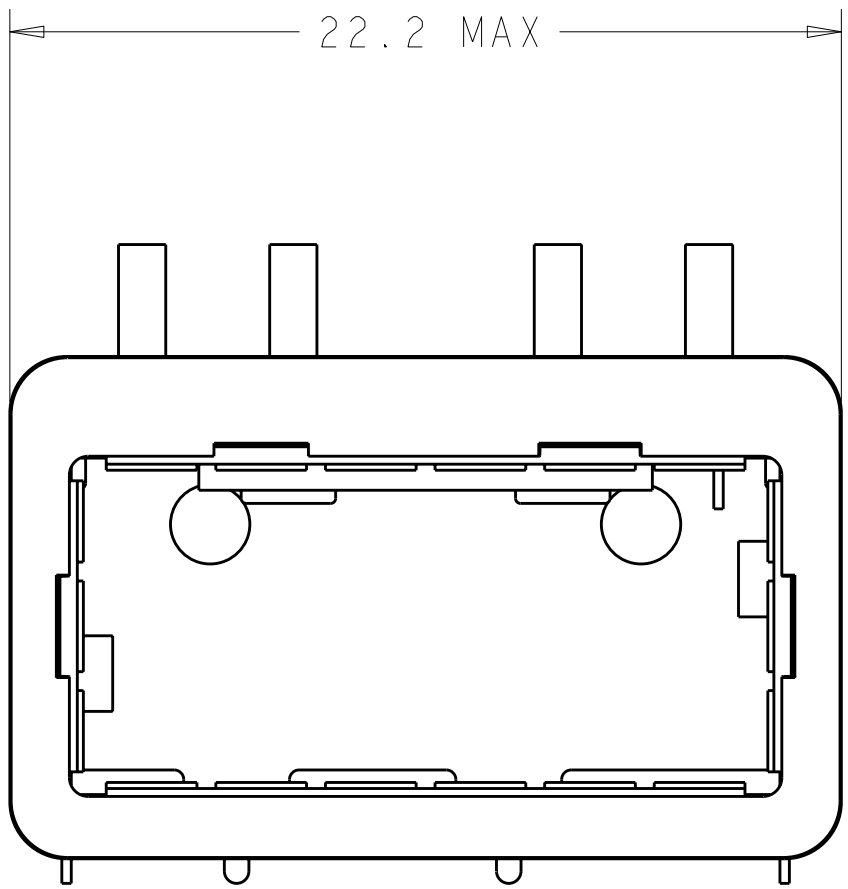
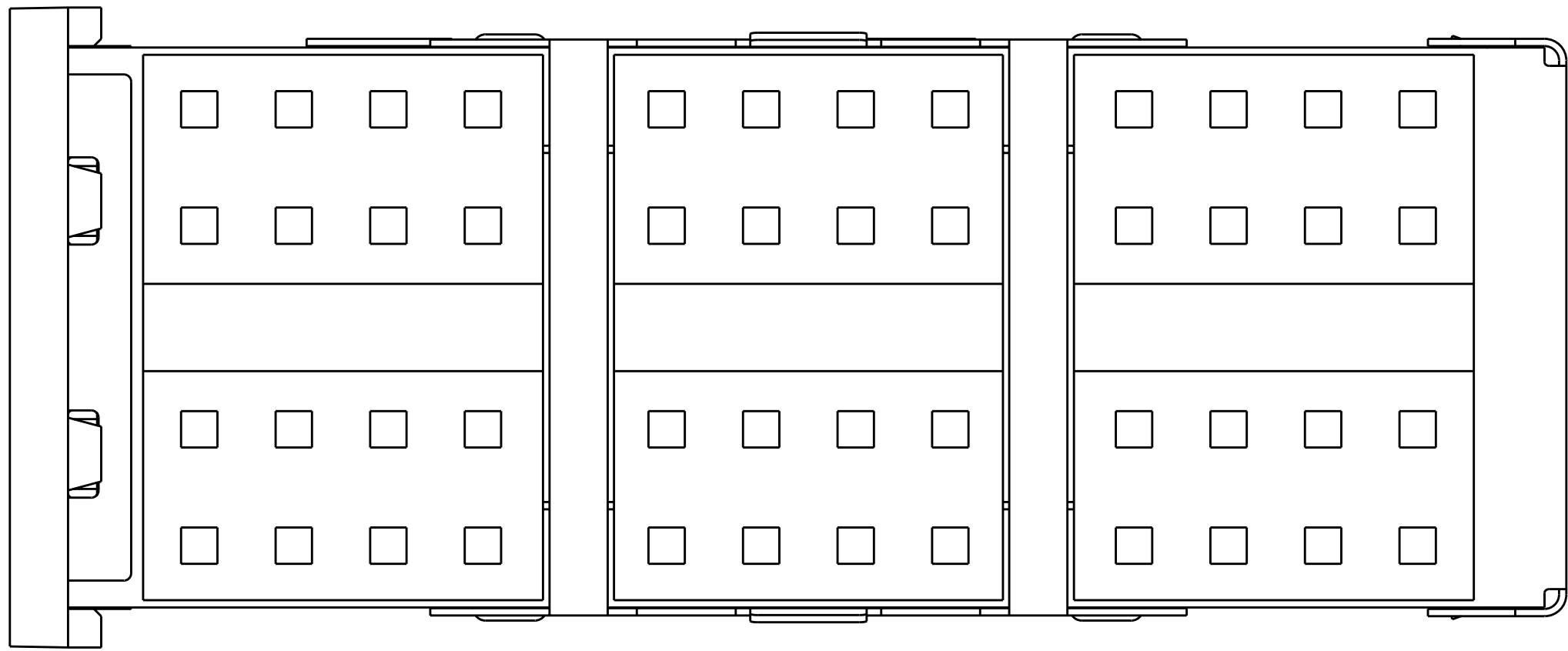
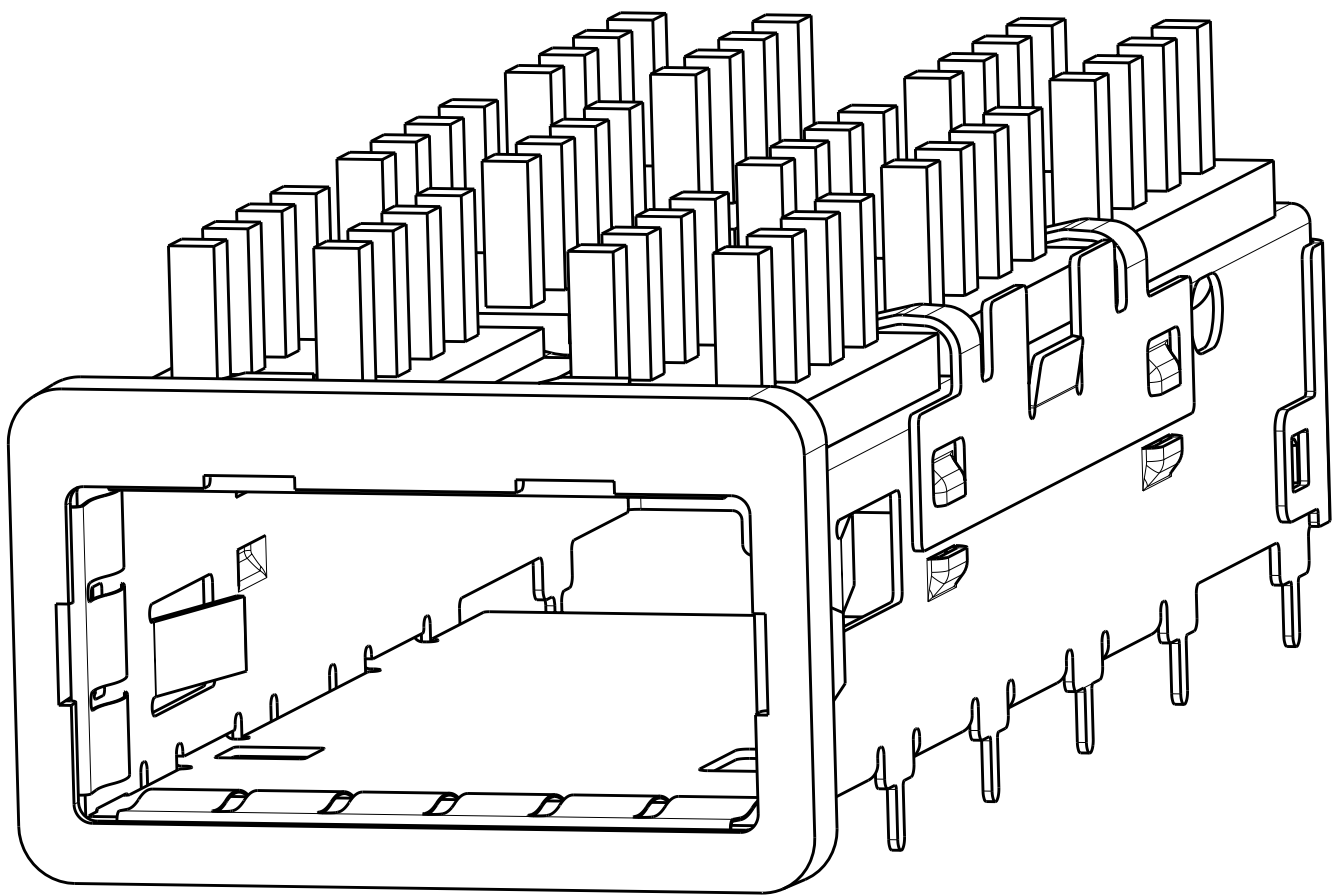
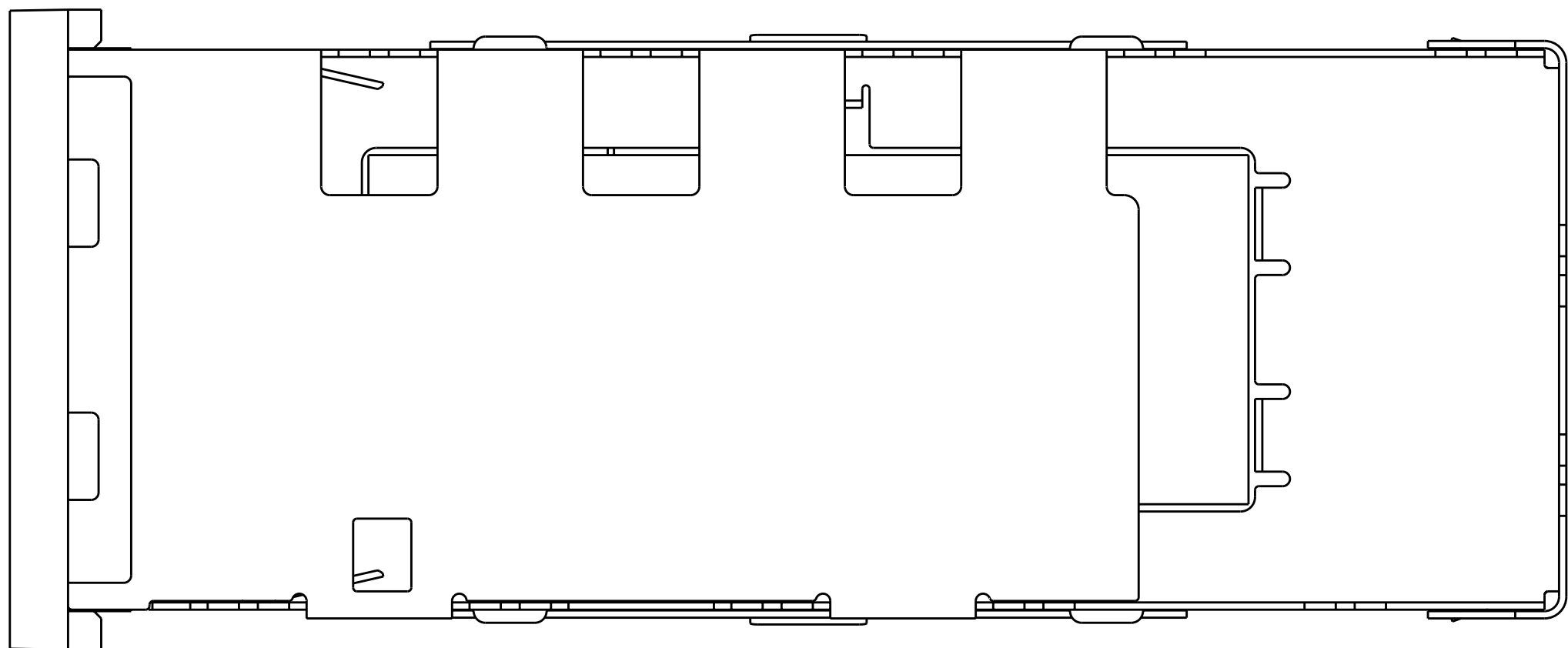


LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
					I	PRELIMINARY DESIGN	22 JUN2009	CR	JP



DETAIL J
SCALE 20:1



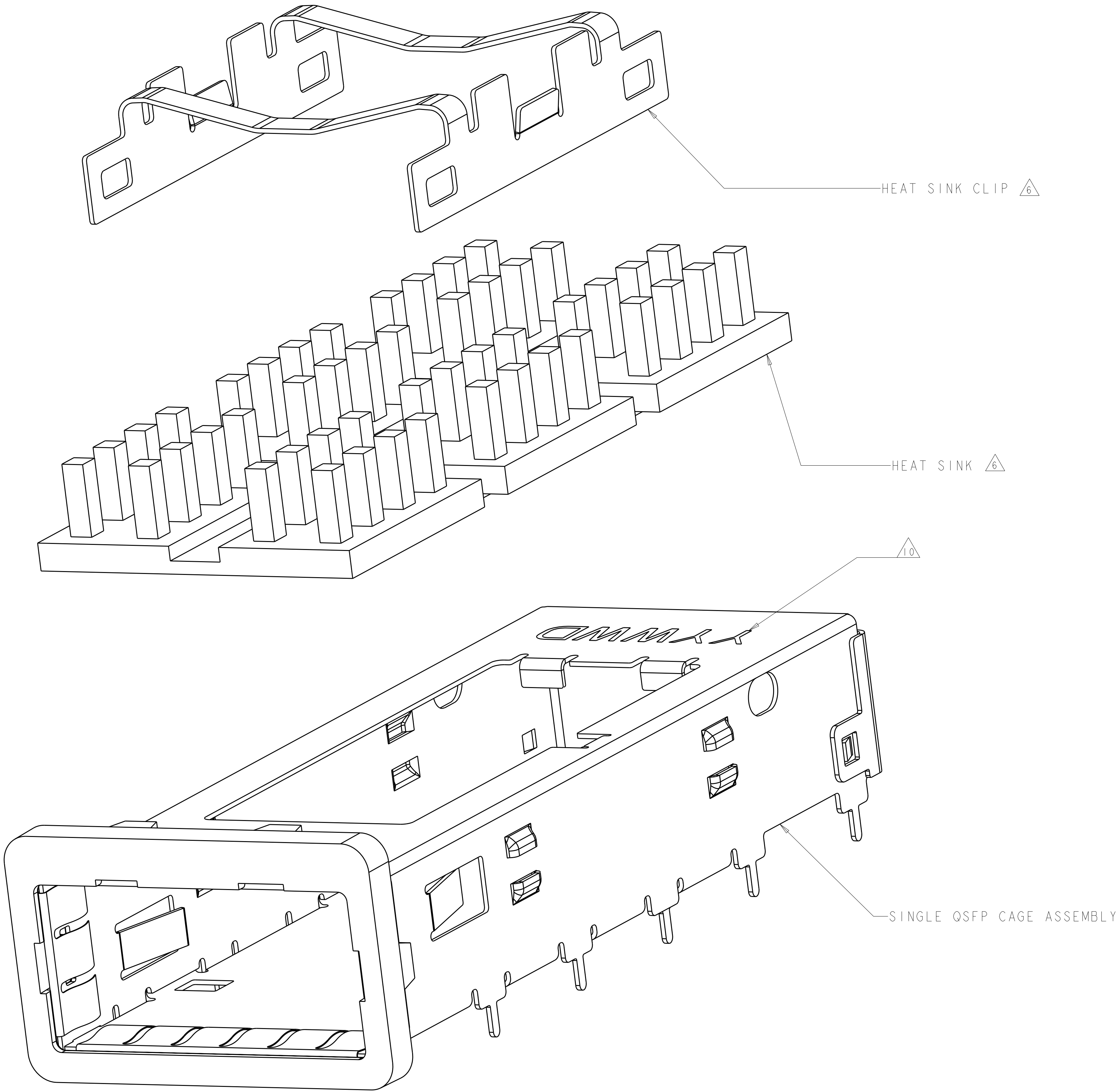
1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY
2. MINIMUM PITCH DIMENSION.
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
4. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
5. DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD, DOUBLE SIDED PC BOARD MINIMUM THICKNESS: 2.2.
6. HEAT SINK AND CLIP SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SOLDERED ONTO THE PCB.
7. DATUM -A- IS TOP SURFACE OF HOST BOARD.
8. SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL J, CONTACT PC BOARD.
9. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE.
10. DATE CODE (YYWW) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
11. 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.

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

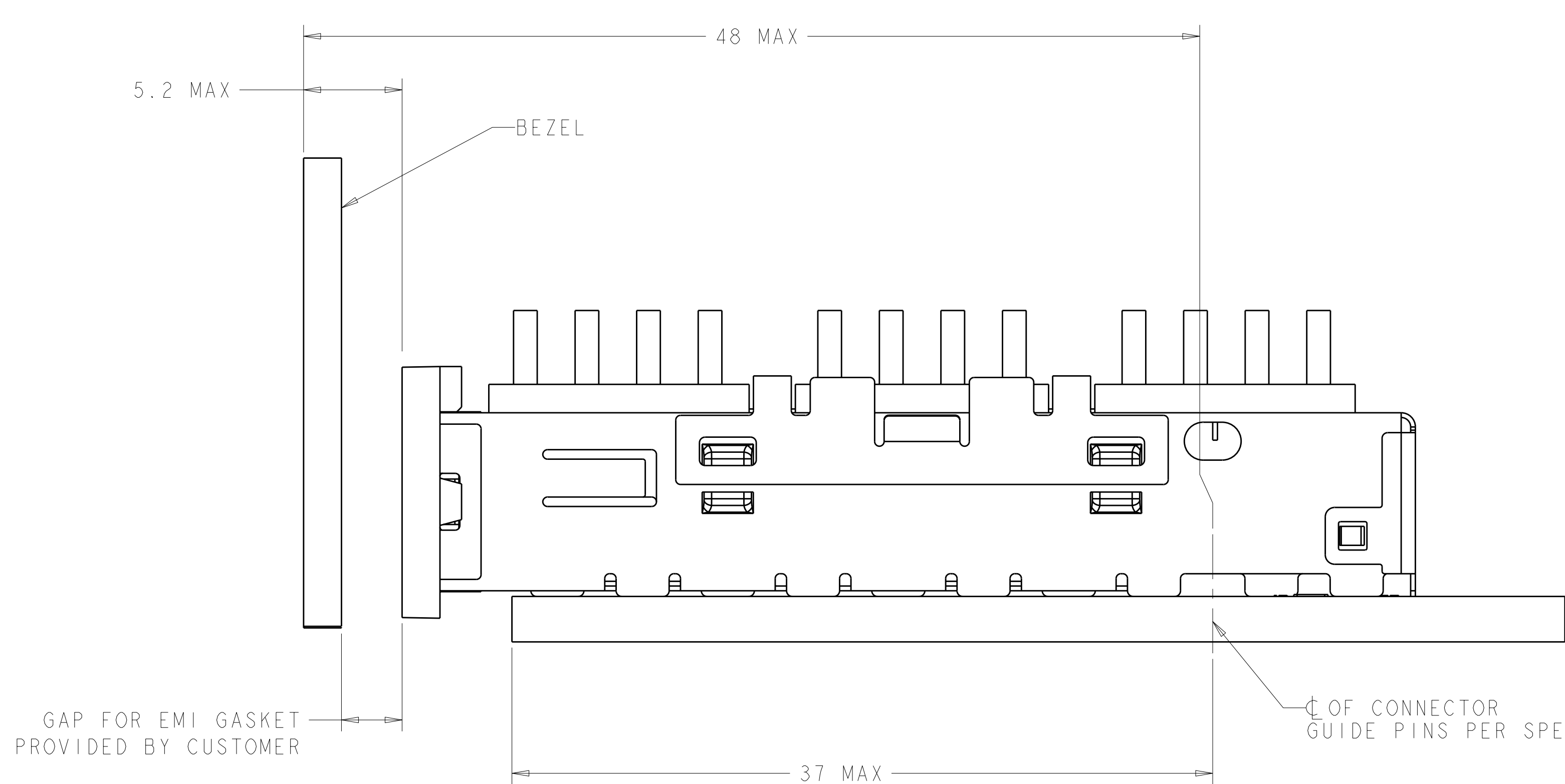
TYPICAL DIMENSIONS TO CENTER OF HOLES UNLESS OTHERWISE SPECIFIED		DWN C. ROHLER 22JUN2009	Tyco Electronics Harrisburg, PA 17105-3608	
DIMENSIONS:		CHK J. PETERSON 22JUN2009	NAME	
mm		APVD J. PETERSON 22JUN2009	CAGE ASSEMBLY, BEHIND BEZEL QSFP, SOLDER, WITH HEAT SINK	
TOLERANCES UNLESS OTHERWISE SPECIFIED: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

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

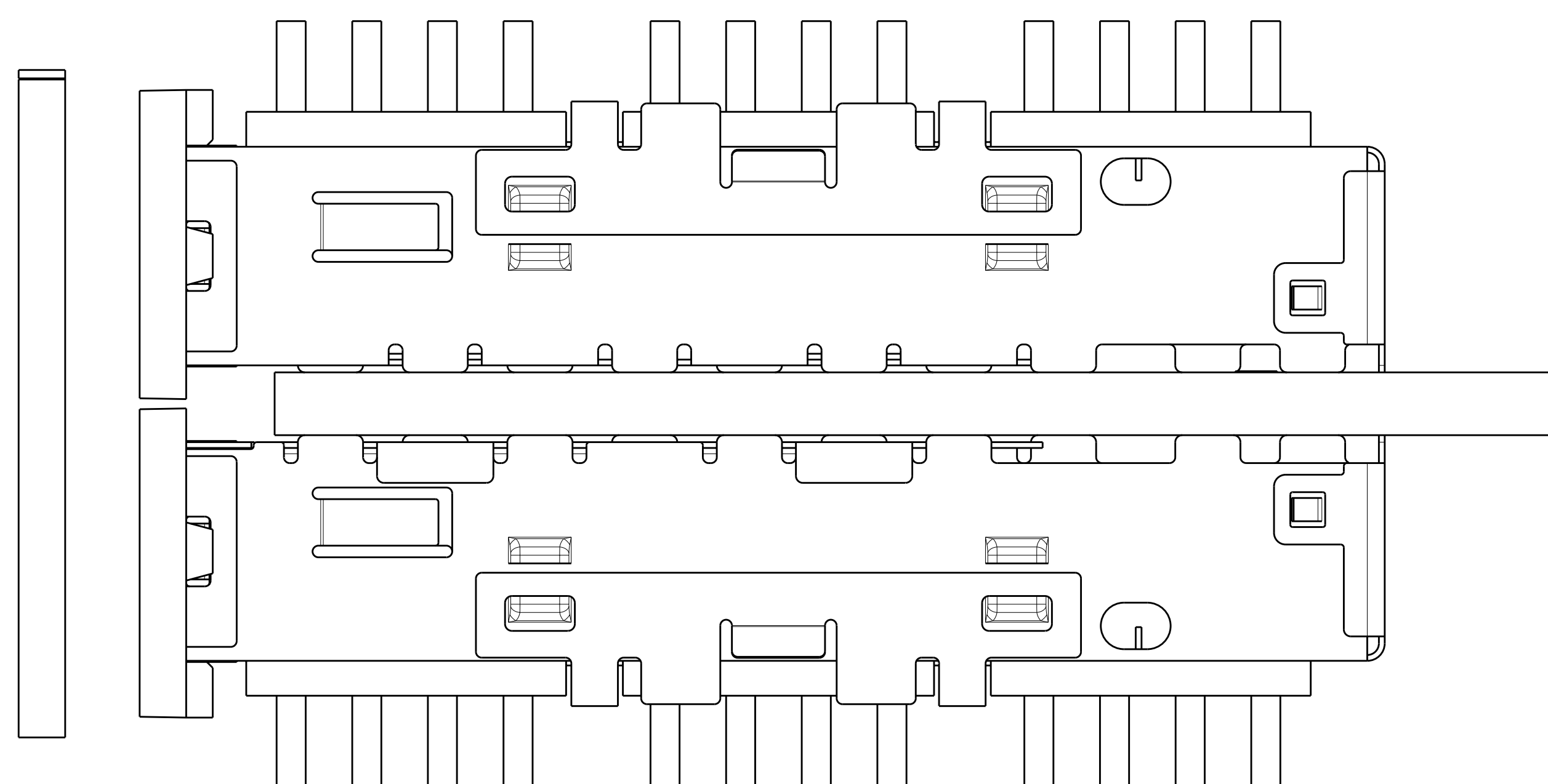


EXPLODED VIEW
SCALE 8:1

TYPICAL DIMENSIONS TO CENTERED HOLES FOR TYCO ELECTRONICS CORPORATION TYPICAL DIMENSIONS TO CENTERED HOLES FOR OTHER MANUFACTURERS' ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.				DWN C. ROHLER 22JUN2009	Tyco Electronics Harrisburg, PA 17105-3608			
EVR J. PETERSON 22JUN2009				NAME J. PETERSON 22JUN2009	CAGE ASSEMBLY, BEHIND BEZEL QSFP, SOLDER, WITH HEAT SINK			
PRODUCT SPEC 108-2286				APPLICATION SPEC	SIZE A100779C=2110753			
WEIGHT -				CUSTOMER DRAWING	SCALE 5:1	SHEET 2	OF 5	REV 1

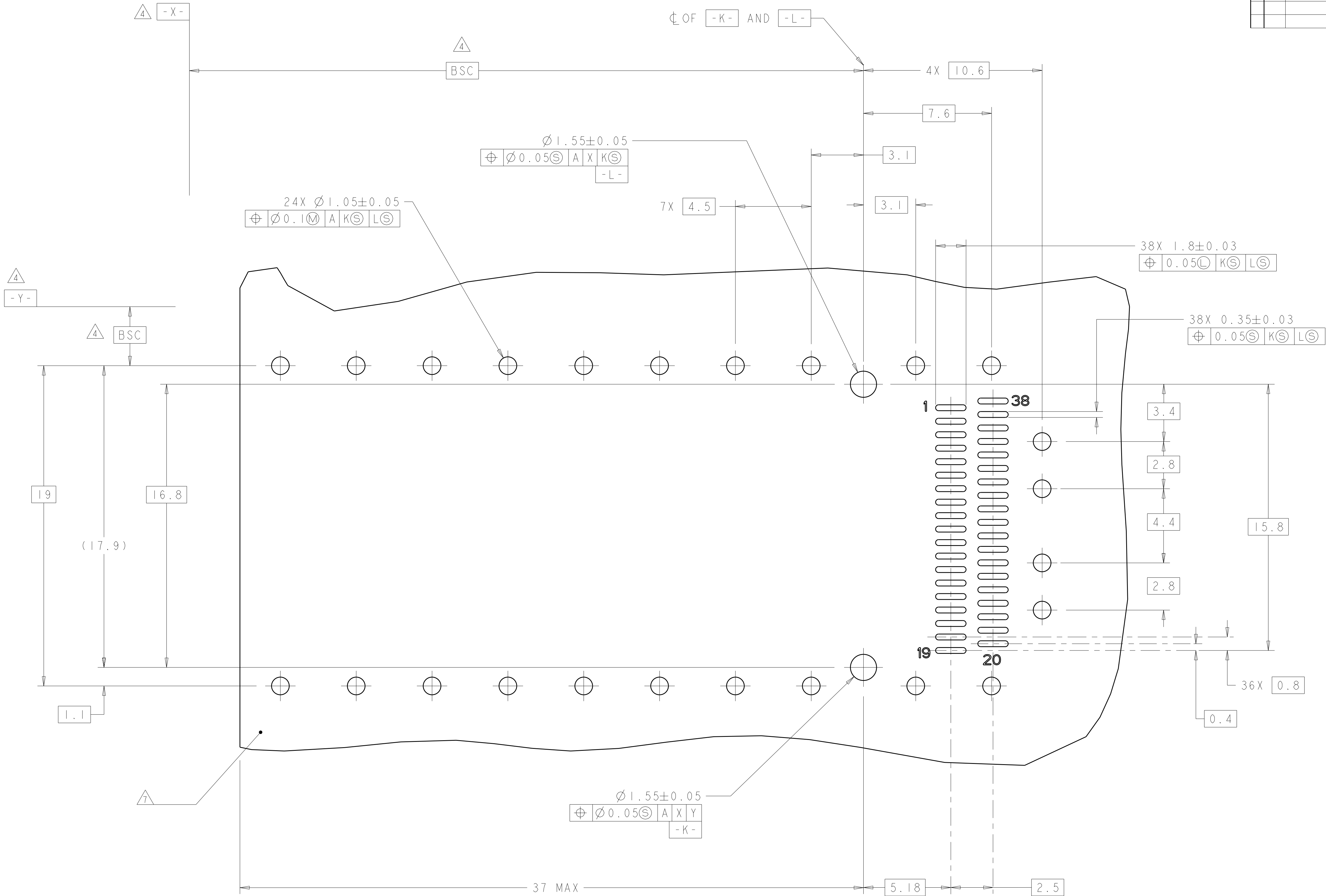


BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED EXCEPT
WHERE NOTED

AMP 4805 REV 31MAR2000

AMP 4805 REV 31MAR2000

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



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

THIS DRAWING IS UNPUBLISHED. IT IS THE PROPERTY OF TYCO ELECTRONICS CORPORATION. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED IN THE ORDER. IT IS TO BE RETURNED TO TYCO ELECTRONICS CORPORATION IF NOT RETURNED BY THE CUSTOMER. IT IS THE CUSTOMER'S RESPONSIBILITY TO OBTAIN THE LATEST REVISIONS OF THIS DRAWING.		DWN C. ROHLER 22JUN2009	Tyco Electronics Harrisburg, PA 17105-3608	
DIMENSIONS: mm		CHK J. PETERSON 22JUN2009	NAME CAGE ASSEMBLY, BEHIND BEZEL QSFP, SOLDER, WITH HEAT SINK	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.5 1 PLC ± 0.13 2 PLC ± 0.13 3 PLC ± 0.13 4 PLC ± 0.001 ANGLES ± 0.001 FINISH		APVD J. PETERSON 22JUN2009	PRODUCT SPEC 108-2286 APPLICATION SPEC	
MATERIAL		WEIGHT	SIZE A100779	DRAWING NO C-2110753
CUSTOMER DRAWING		SCALE 5:1	SHEET 5	REV 1