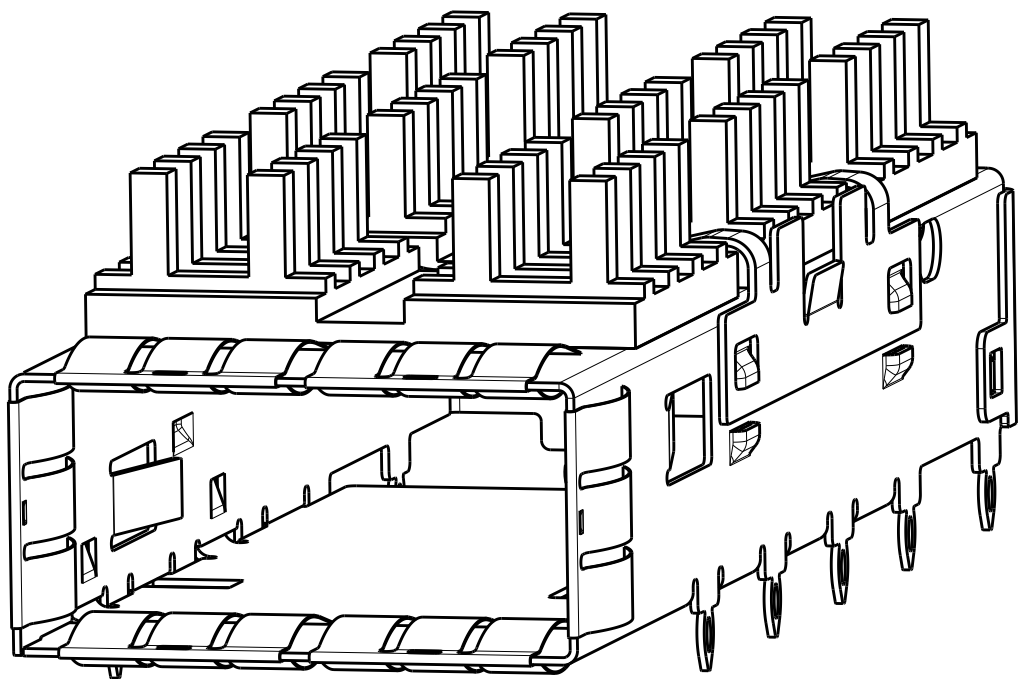
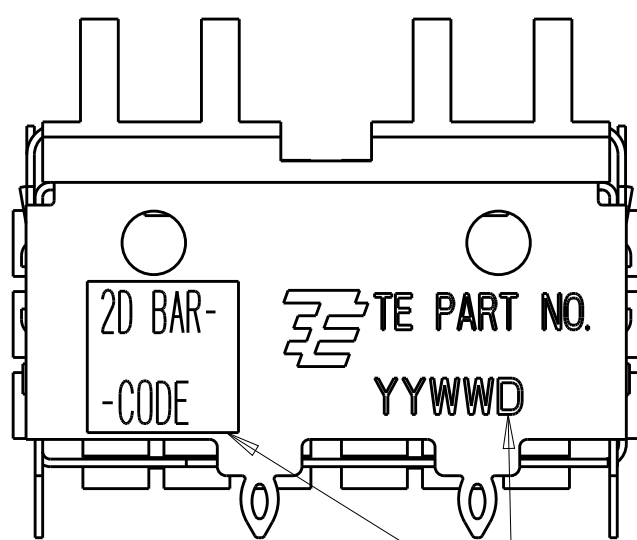
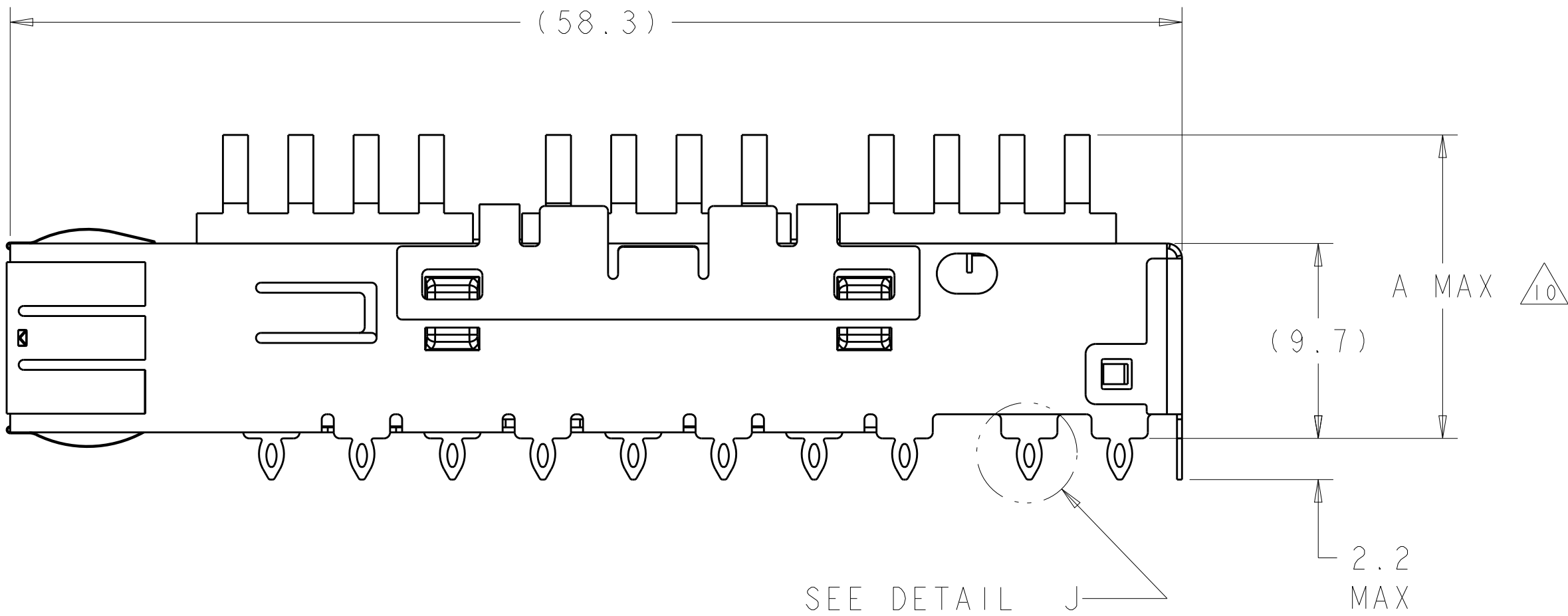
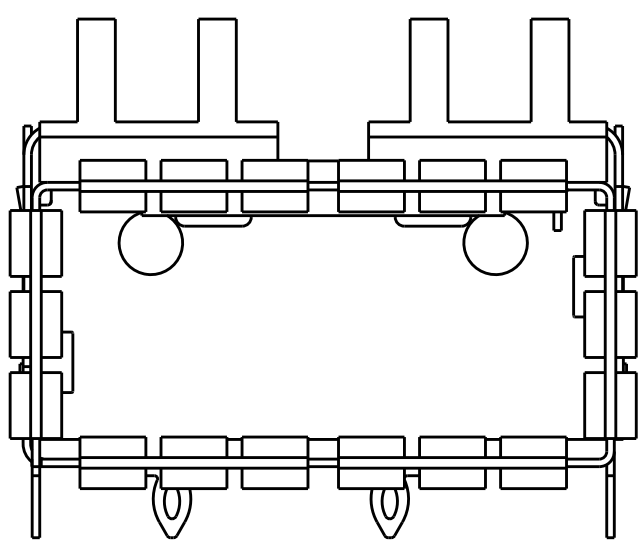
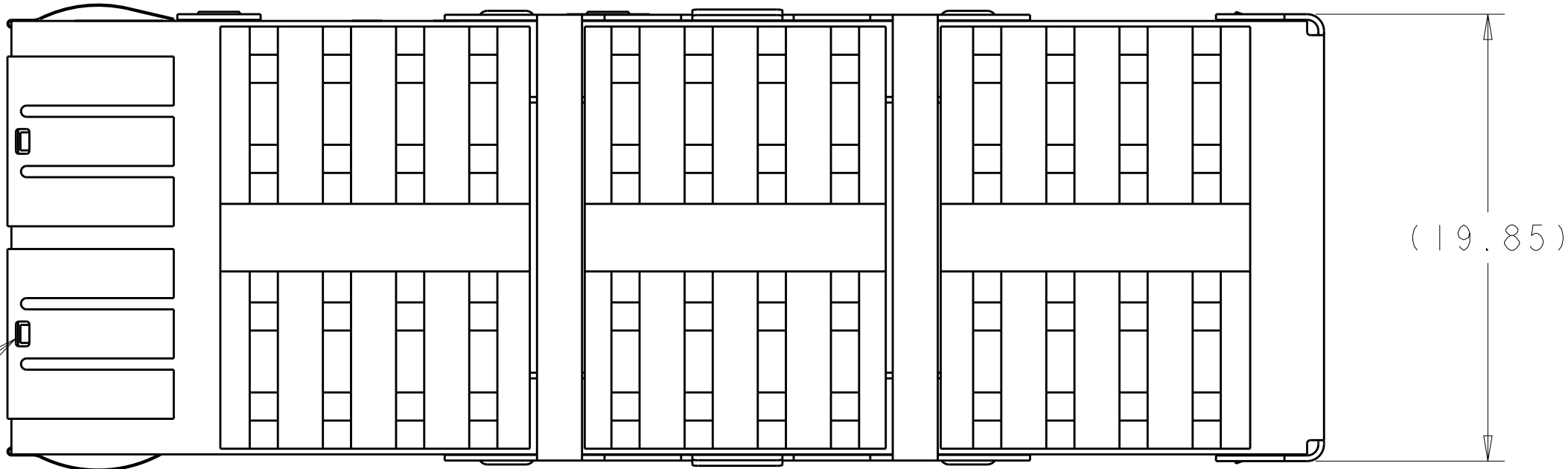


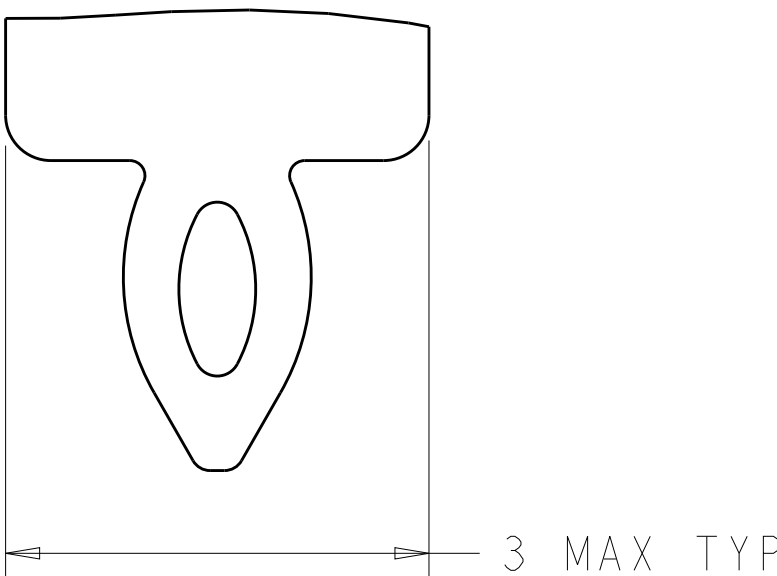
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
B		REV PER ECO-09-020440	11SEP2009	CR	JP
B1		REVISE PER ECO-14-006734	16MAY2014	RG	MC
C		REVISE PER ECO-14-009898	16JUNE2014	RG	MC
D		REVISE PER ECO-14-017735	24MAR2015	RG	MC



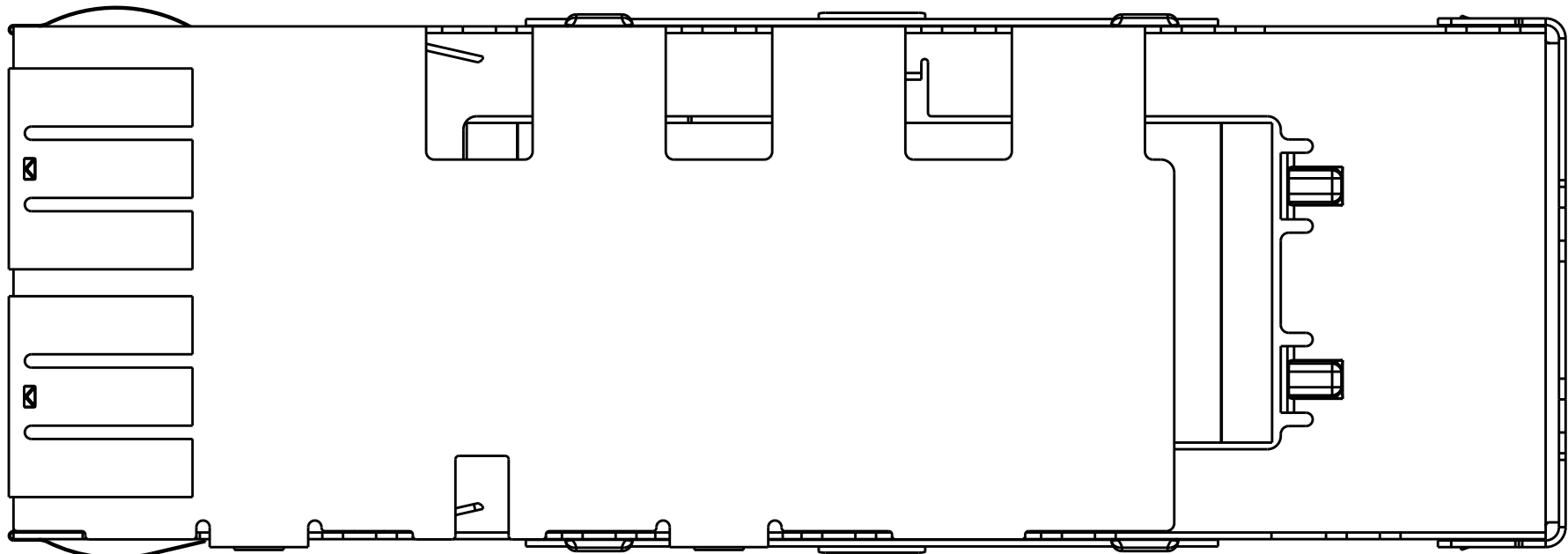
Sn42Bi58 SOLDER
6 PLACES



2D BARCODE AND DATA CODE



DETAIL J
SCALE 20:1

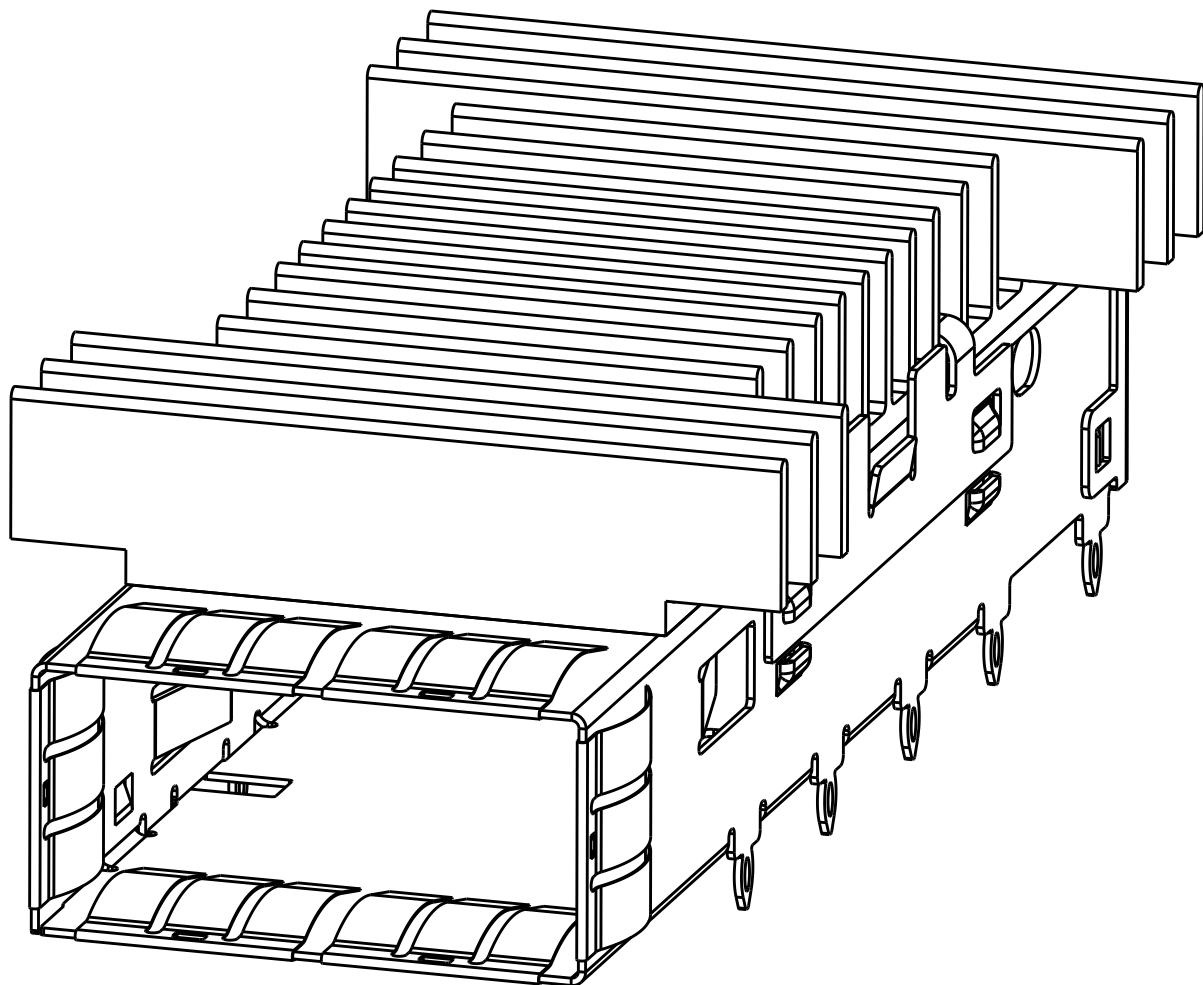
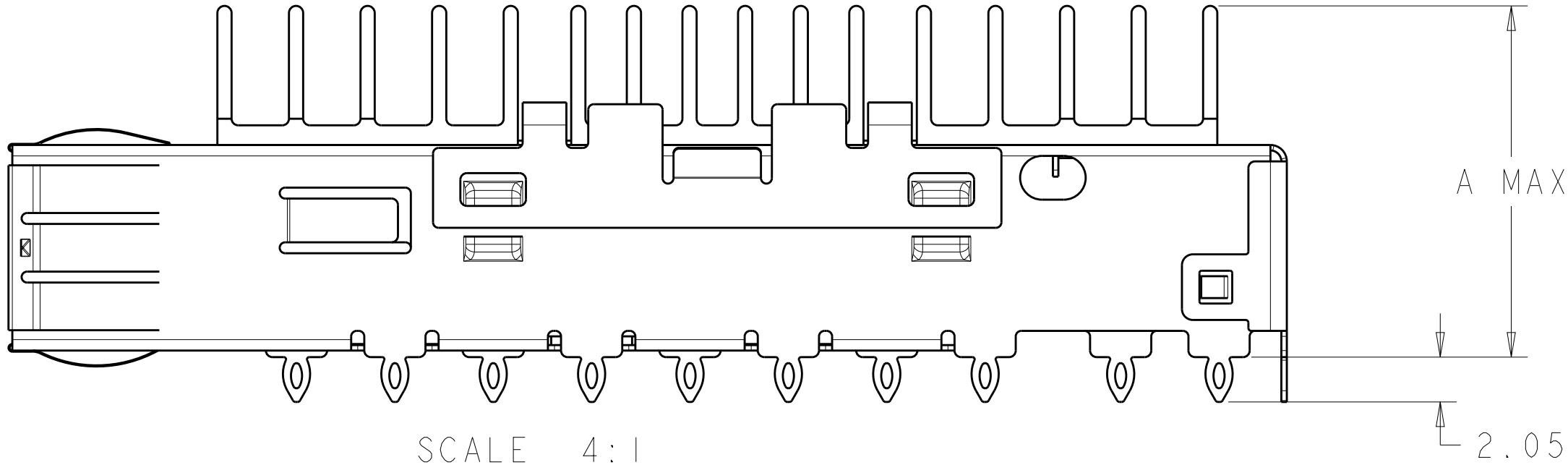
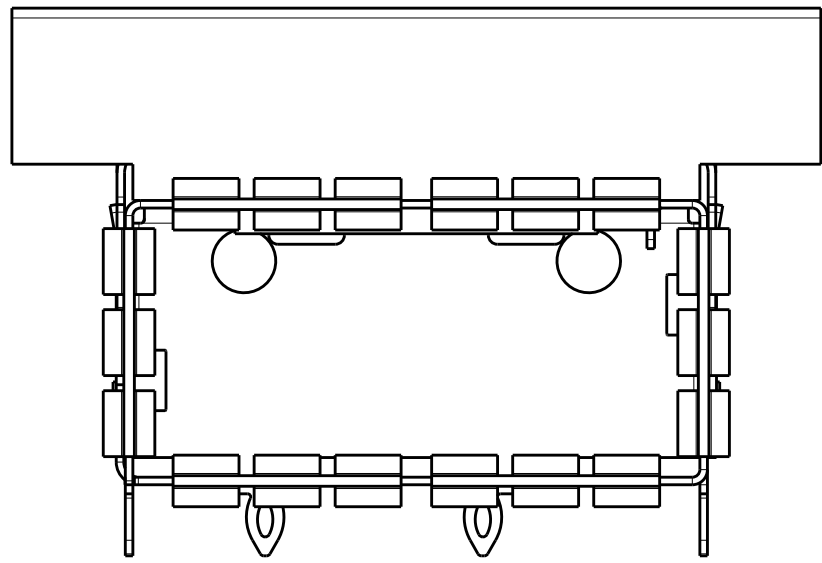
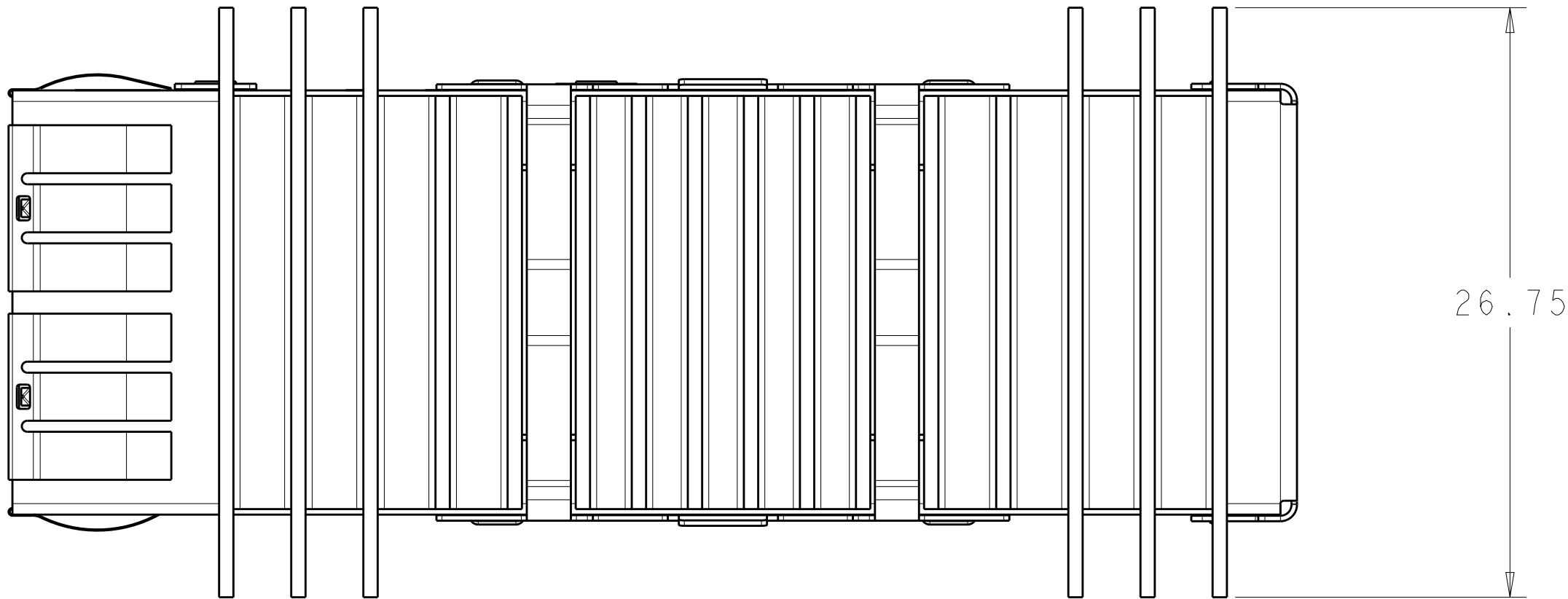


1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRINGS MATERIAL: COPPER ALLOY
2. MINIMUM PITCH DIMENSION.
3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
4. REFERENCE APPLICATION SPEC 114-13217 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
5. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
6. MINIMUM PC BOARD THICKNESS:
SINGLE SIDED = 1.45mm (shown, pg. 4)
DOUBLE SIDED = 2.2mm
7. HEATSINK 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 (YYWWD) MARKED ON BACK OF CAGE.
12. SPRING FINISH: 0.8µm MIN TIN OVER 0.8µm MIN NICKEL.
NON-PLATED EDGES PERMISSIBLE.
HEAT SINK FINISH: 0.076 µm MIN NICKEL OR BLACK ANODIZED.
13. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.

23.0	NETWORKING HEAT SINK	1888631-3
16.0	SAN HEAT SINK (SHOWN)	1888631-2
13.7	PCI HEAT SINK	1888631-1
A	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MCMASTER 0TSEP06	TE Connectivity
		CHK E. J. BRIGHT 0TSEP06	
		APVD F. J. BRIGHT 0TSEP06	
		NAME	
DIMENSIONS:		PRODUCT SPEC	CAGE ASSEMBLY, THRU BEZEL, QSFP, WITH HEAT SINK
mm		108-2286	
		APPLICATION SPEC	
		114-13217	
		WEIGHT	A100779C=1888631
MATERIAL		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 5 REV D

REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-

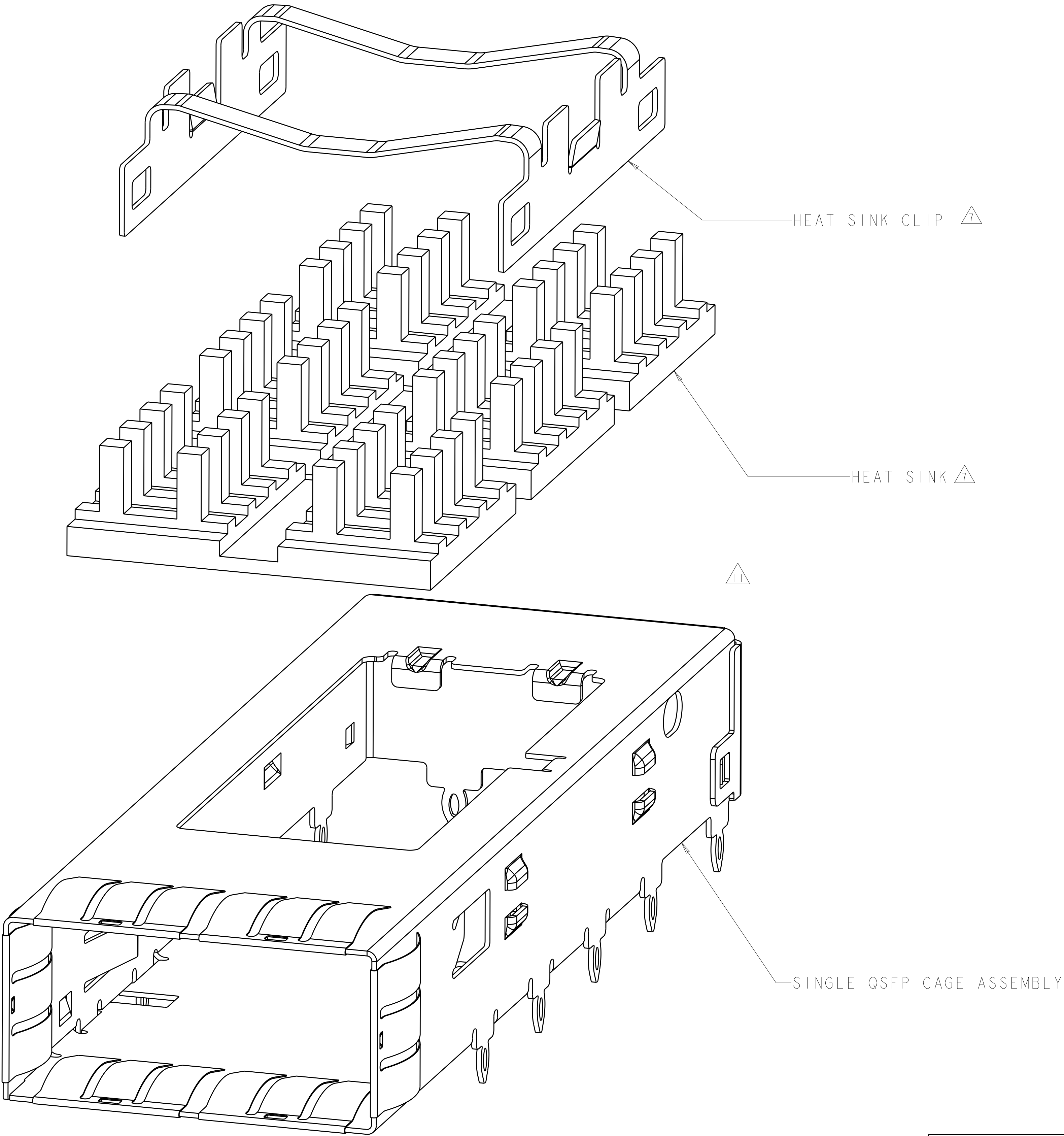


1888631-4 AS SHOWN
SCALE 4:1

16.96	CUSTOMIZED HEAT SINK	1888631-4
A	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN B. MCMASTER	0TSEP06	 TE Connectivity
			CHK E. J. BRIGHT	0TSEP06	
			APVD E. J. BRIGHT	0TSEP06	
			NAME CAGE ASSEMBLY, THRU BEZEL, OSFP, WITH HEAT SINK		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
mm		0 PLC ±		108-2286	
		1 PLC ±0.25		APPLICATION SPEC	
		2 PLC ±0.13		114-13217	
		3 PLC ±		SIZE	
		4 PLC ±		CAGE CODE	
		ANGLES ±		DRAWING NO	
		FINISH		RESTRICTED TO	
MATERIAL		WEIGHT		A 00779 ©-1888631	
-		-		-	
		CUSTOMER DRAWING		SCALE 4:1	
				SHEET 2 OF 5	
				REV D	

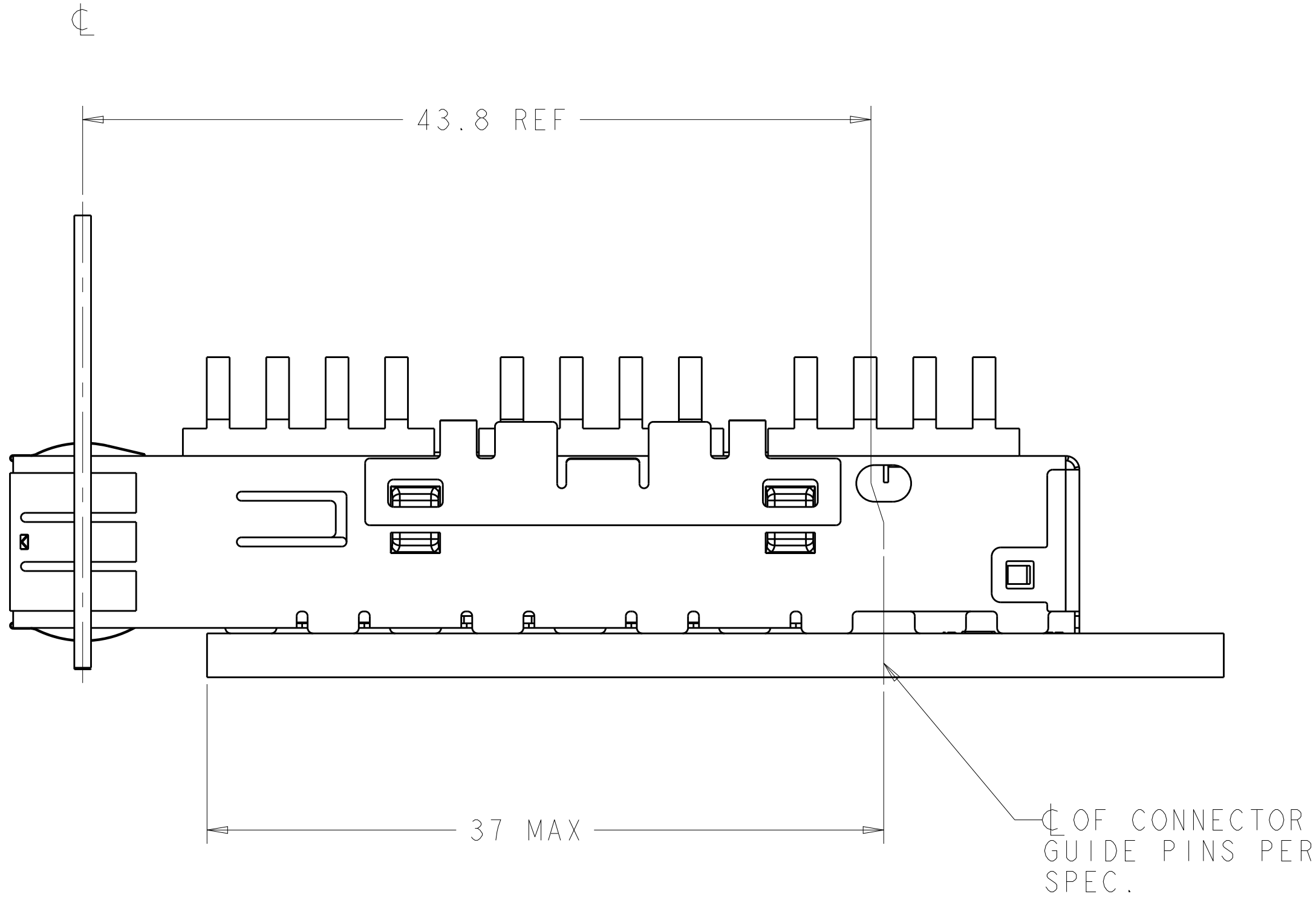
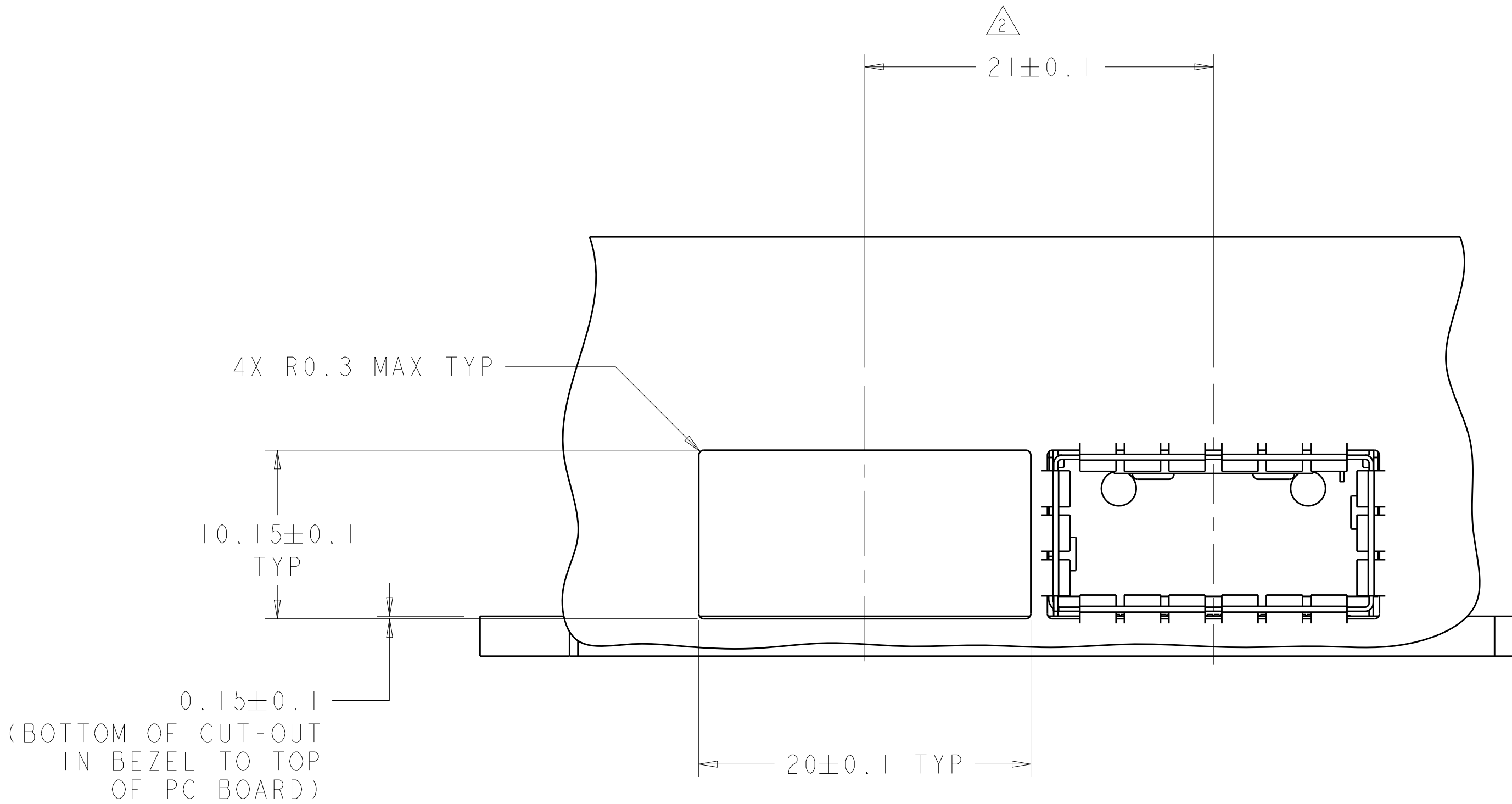
REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-



EXPLODED ASSEMBLY
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MCMASTER	0TSEP06	TE Connectivity	
		CHK E.J. BRIGHT	0TSEP06		
		APVD F.J. BRIGHT	0TSEP06		
		NAME			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CAGE ASSEMBLY, THRU BEZEL, QSFP, WITH HEAT SINK	
mm		0 PLC ±.1		-	
		1 PLC ±0.25		SIZE	
		2 PLC ±0.13		CAGE CODE	
		3 PLC ±.		DRAWING NO	
		4 PLC ±.		RESTRICTED TO	
		ANGLES ±.		A100779C=1888631	
		FINISH		REV D	
MATERIAL		WEIGHT		SCALE 4:1	
-		CUSTOMER DRAWING		SHEET 3 OF 5	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-





THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG NO. MCMASTER 01SEP06 CHK'D TEJ J. BRIGHT 01SEP06 APP'D TEJ J. BRIGHT 01SEP06		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PL/C ±0.25 1 PL/C ±0.13 2 PL/C ± 3 PL/C ± 4 PL/C ± ANGLES ± FINISH		NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, WITH HEAT SINK -	
		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217		SIZE CASE CODE DRAWING NO 114-13217	
MATERIAL -		WEIGHT -		RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 4:1		SHEET 5 OF 5 REV D	