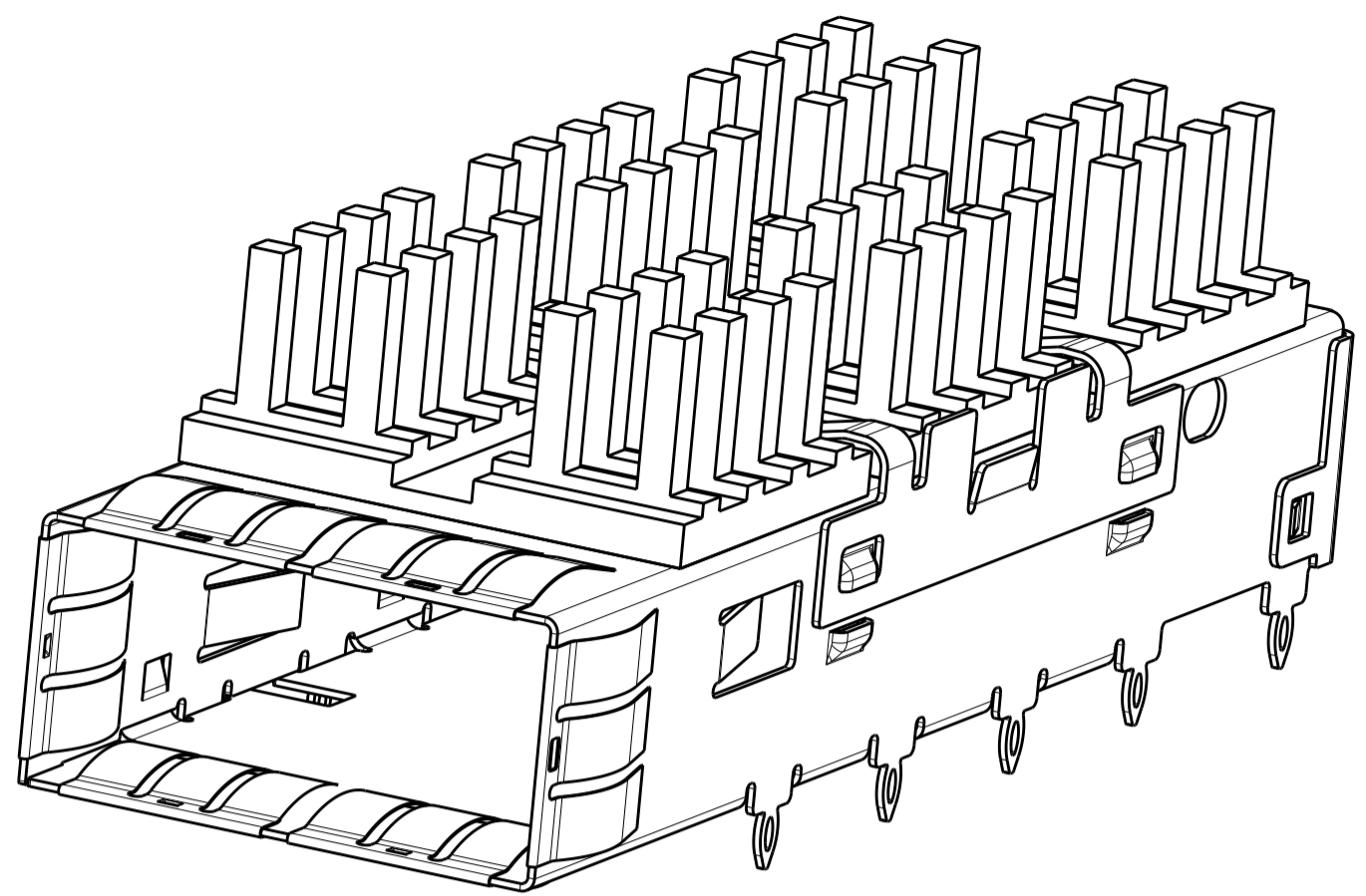
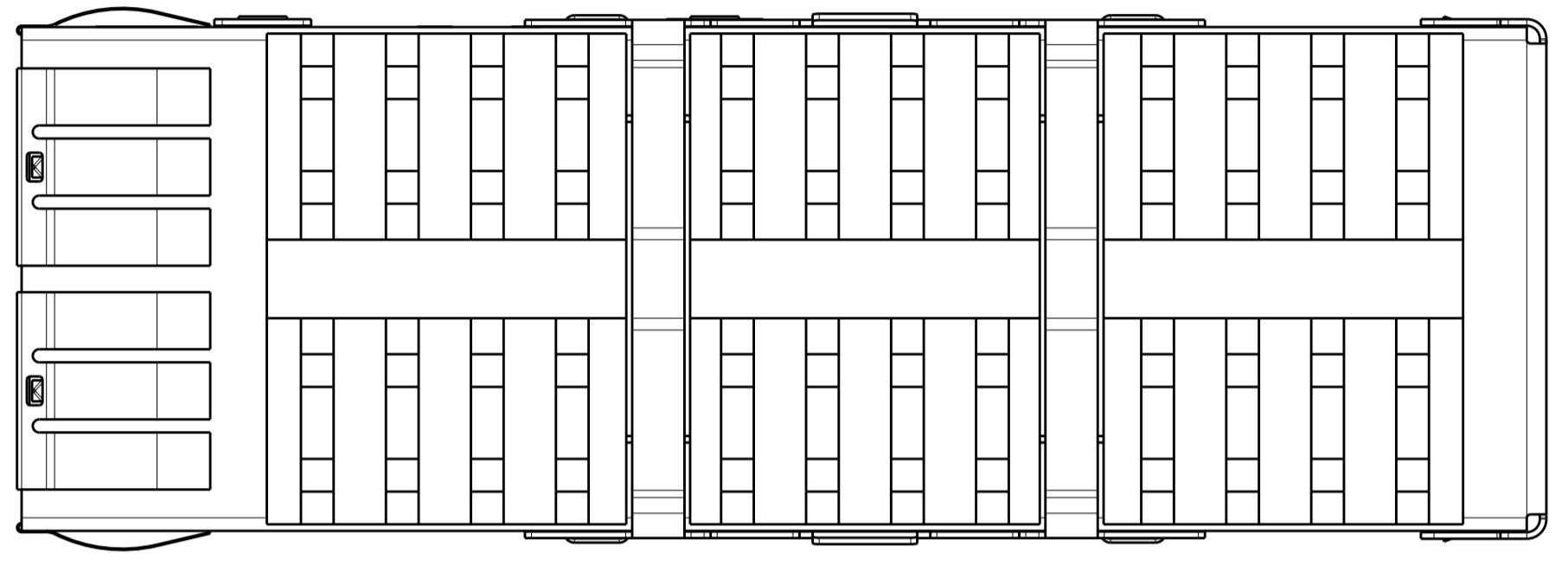


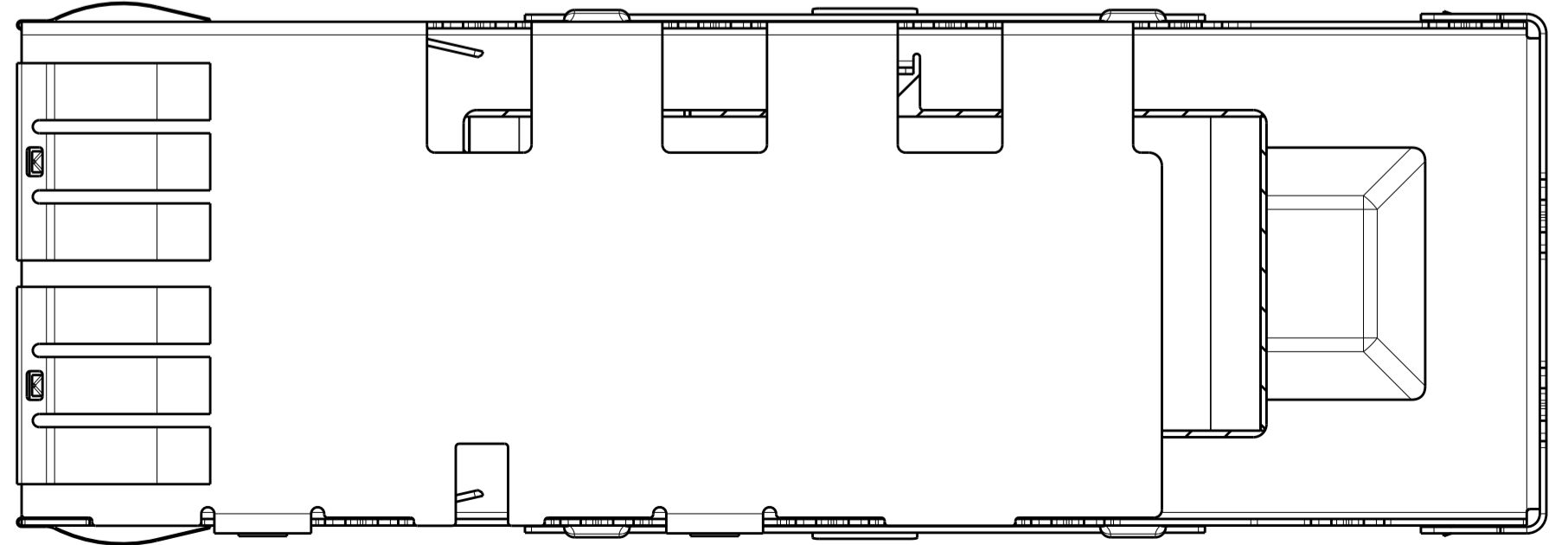
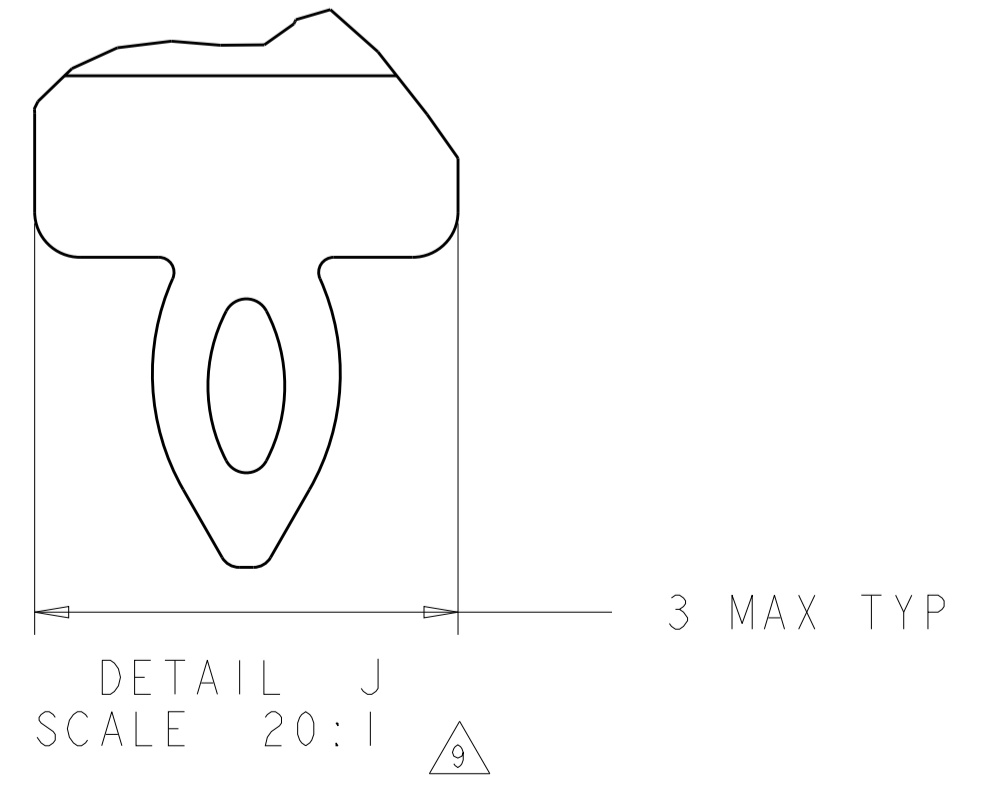
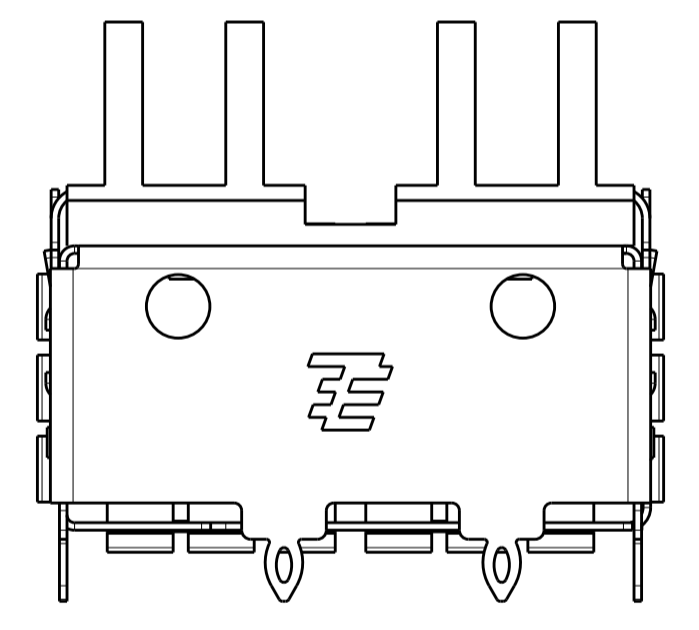
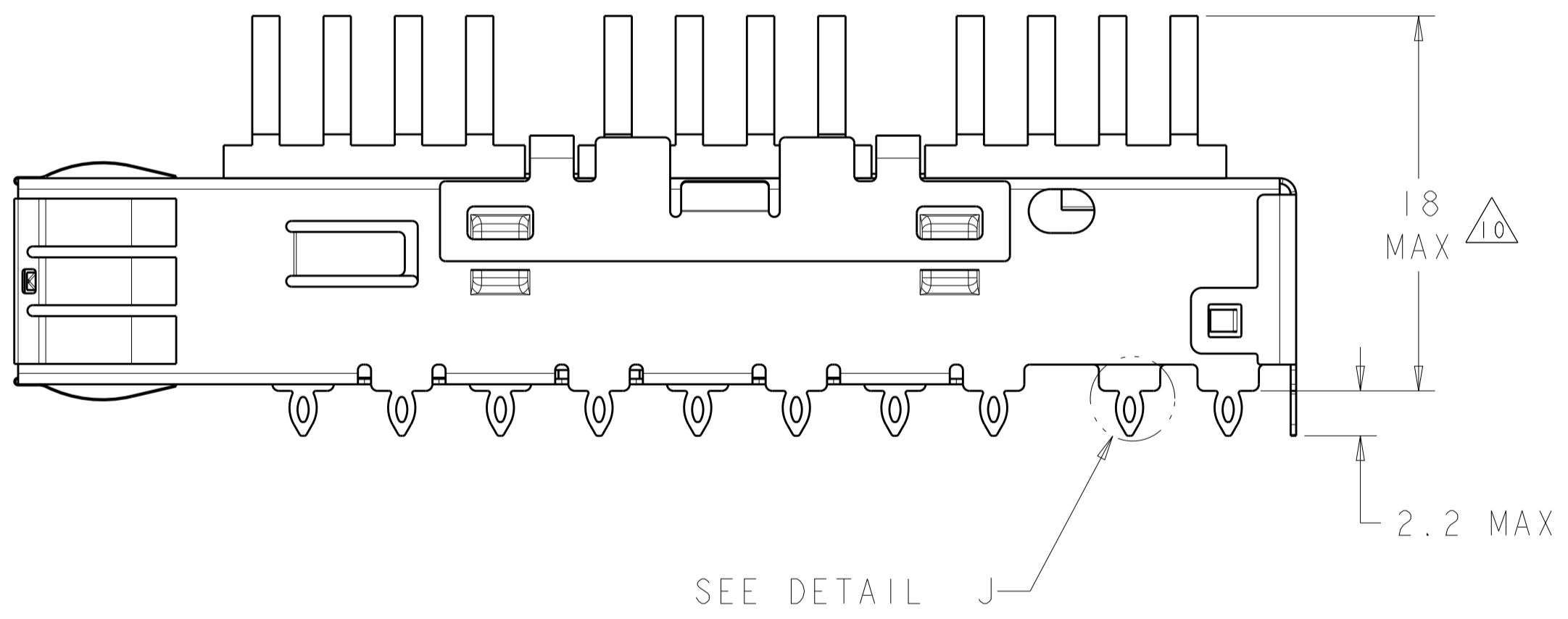
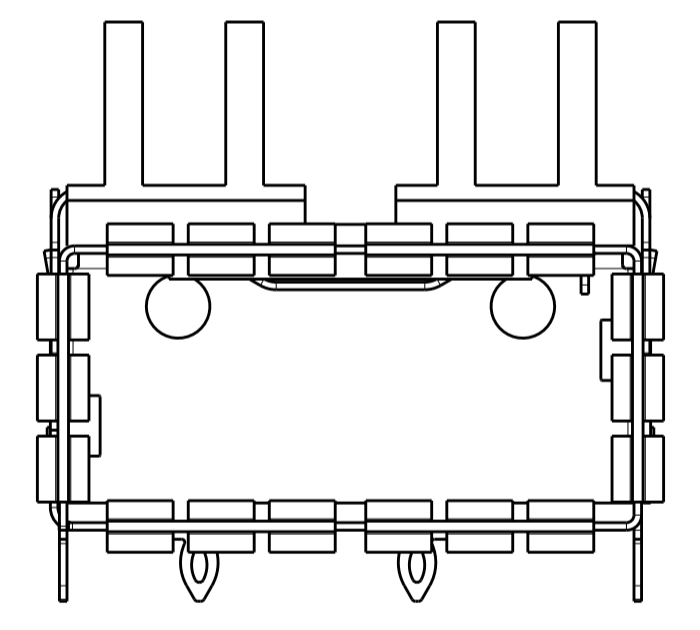
LOC	DIST	REVISIONS					
		P	LYR	DESCRIPTION	DATE	DWN	APVD
GP	00	I		PRELIMINARY	19SEP2012	DZ	JY



SCALE 4:1



- 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. DATE CODE MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
- 12. SPRING FINISH: 0.8um MIN TIN OVER 0.8um MIN NICKEL. NON-PLATED EDGES PERMISSIBLE.  
 HEAT SINK FINISH: 0.076 um MIN NICKEL.

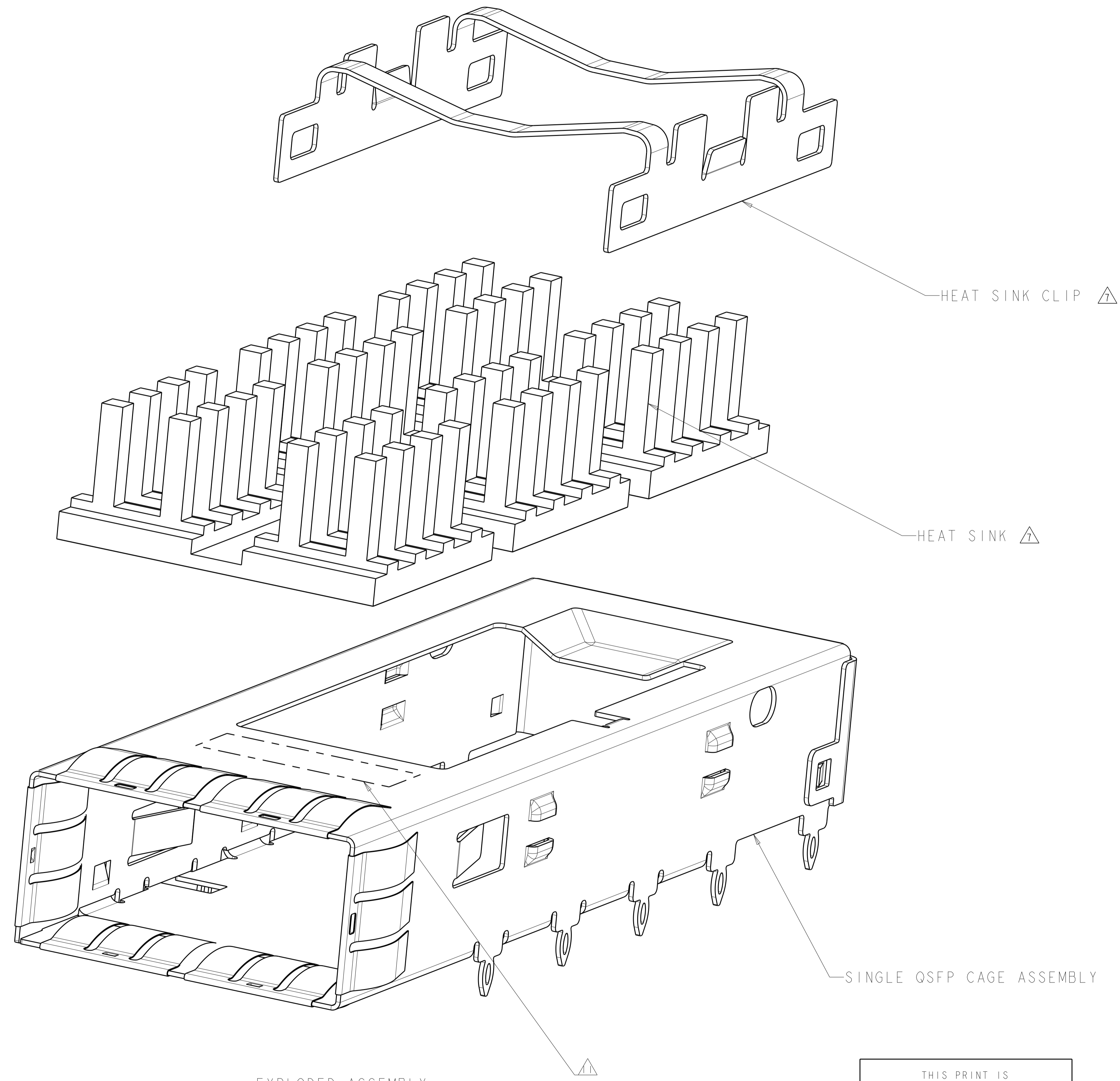


PART NUMBER  
2170450-1

THIS PRINT IS  
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UNQUALIFIED PRODUCT  
CONTACT PRODUCT ENGINEERING  
BEFORE USING THIS PRINT


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. ZHU 19SEP2012	TE Connectivity NAME: CAGE ASSEMBLY, THRU BEZEL, QSFP WITH HEAT SINK PRODUCT SPEC: 108-2286 APPLICATION SPEC: 114-13217 SIZE: CAGE CODE DRAWING NO: A100779C=2170450 WEIGHT: - Customer Drawing	RESTRICTED TO	
DIMENSIONS:		CHK: J. YANG 19SEP2012		SCALE: 2:1	SHEET: 1 of 4
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: A. CAL 19SEP2012		REV: 1	
mm	0 PLC ±0.25 1 PLC ±0.13 2 PLC ±0.13 3 PLC ±0.13 4 PLC ±0.13 ANGLES ±0.13				

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

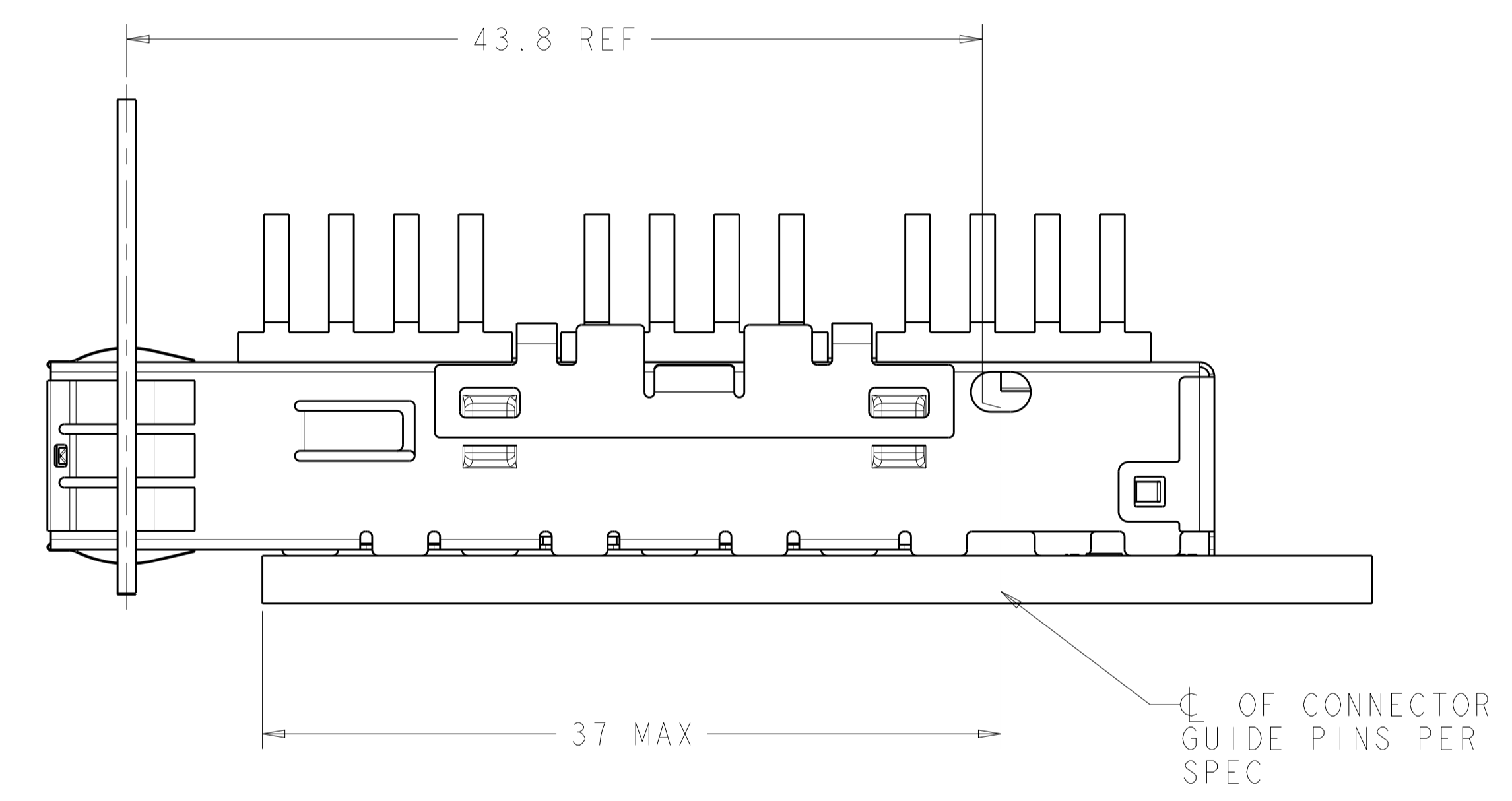
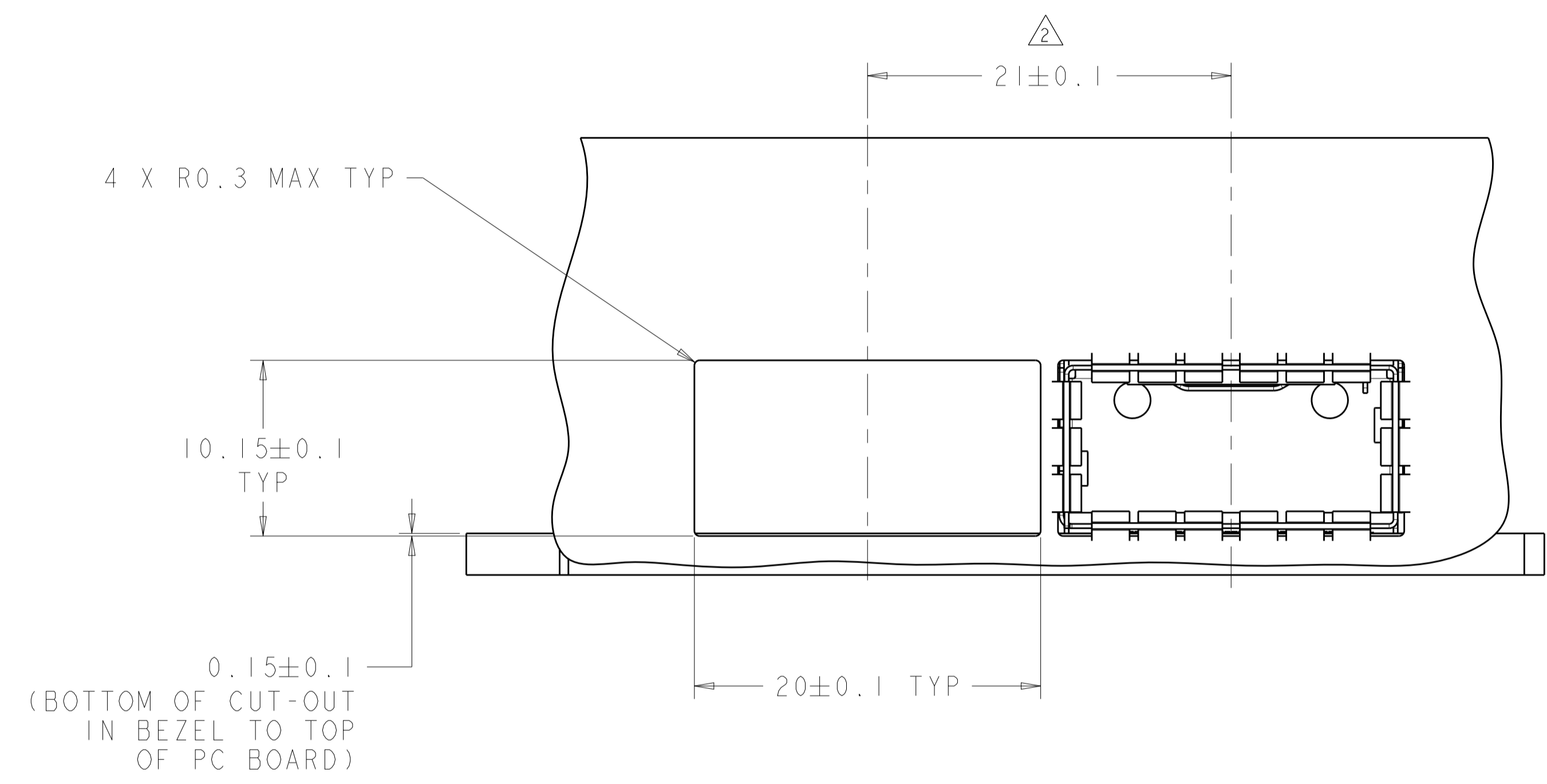


EXPLODED ASSEMBLY  
 SCALE 8:1

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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. ZHU	19SEP2012	 TE Connectivity
DIMENSIONS:		CHK J. YANG	19SEP2012	
mm		APVD A. CAI	19SEP2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.13 3 PLC ± 4 PLC ± ANGLES ± FINISH ±		NAME CAGE ASSEMBLY, THRU BEZEL , QSFP WITH HEAT SINK	RESTRICTED TO	
DIMENSIONS: mm TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.25 2 PLC ±0.13 3 PLC ± 4 PLC ± ANGLES ± FINISH ±		PRODUCT SPEC 108-2286	APPLICATION SPEC 114-13217	WEIGHT
MATERIAL		SIZE A100779		CAGE CODE C=2170450
		Customer Drawing		SCALE 2:1 SHEET 2 OF 4 REV 1

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
GP	00	SEE SHEET 1	-	-	-



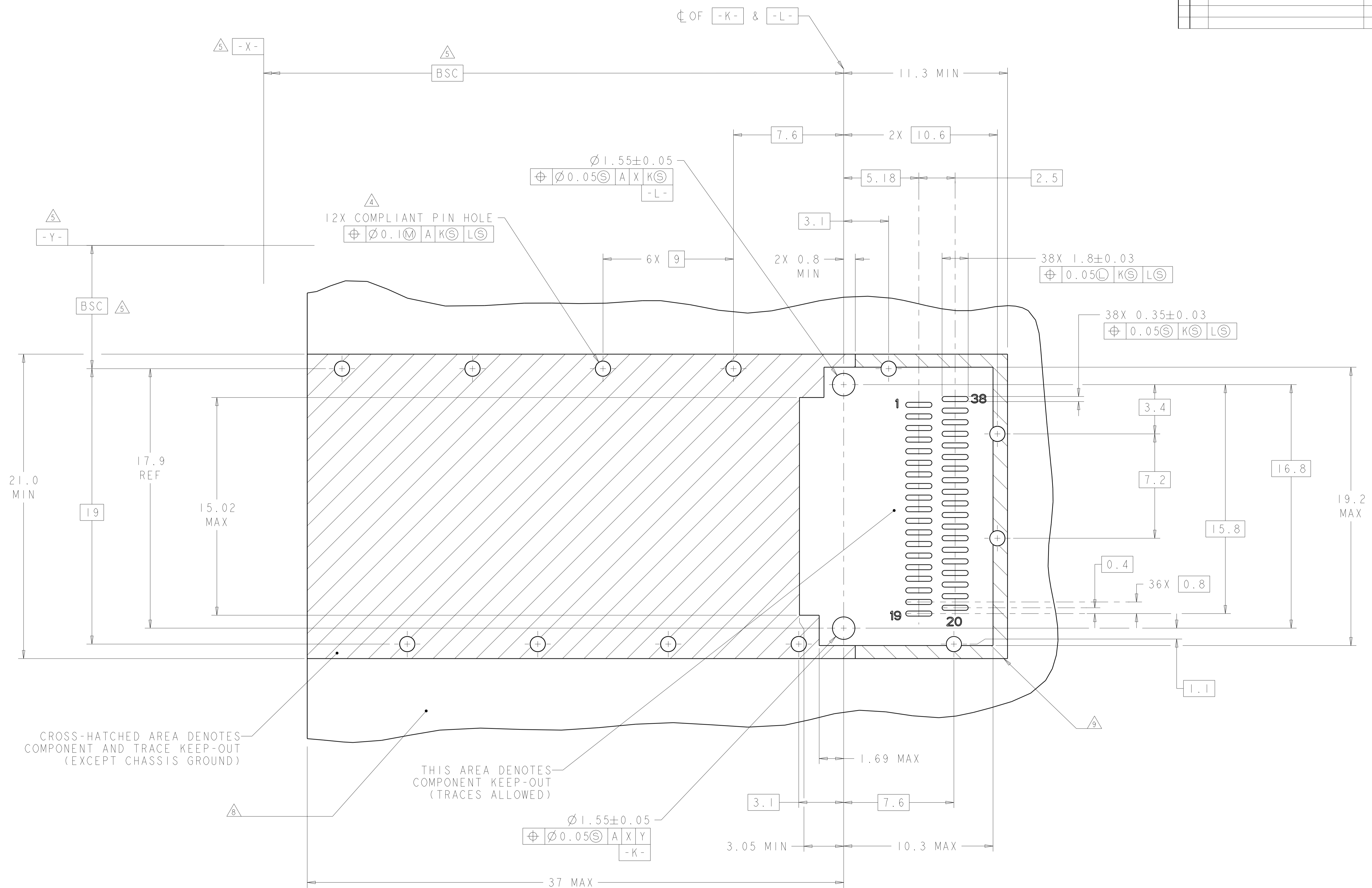
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN D. ZHU 19SEP2012	19SEP2012	
DIMENSIONS:		CHK J. YANG 19SEP2012	19SEP2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD A. CAI 19SEP2012	19SEP2012	NAME
mm	0 PLC ±	PRODUCT SPEC		CAGE ASSEMBLY, THRU BEZEL, QSPF WITH HEAT SINK
	1 PLC ±0.25	108-2286		SIZE
	2 PLC ±0.13	APPLICATION SPEC		A100779C=2170450
	3 PLC ±	114-13217		RESTRICTED TO
	4 PLC ±	WEIGHT		-
	ANGLES ±	Customer Drawing		SCALE 2:1 SHEET 3 OF 4 REV 1

LOC	DIST	REV	DATE	BY	APPD
GP	00				

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1	-	-



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

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

RECOMMENDED PCB LAYOUT  
 SCALE 8:1

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THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU 19SEP2012	TE Connectivity NAME: CAGE ASSEMBLY, THRU BEZEL, OSFP WITH HEAT SINK PRODUCT SPEC: 108-2286 APPLICATION SPEC: 114-13217 WEIGHT: - Customer Drawing
DIMENSIONS: mm		CHK: J. YANG 19SEP2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.13 2 PLC ±0.13 3 PLC ±0.13 4 PLC ±0.13 ANGLES ±0.13		APVD: A. CAL 19SEP2012	
MATERIAL: -		FINISH: -	
SIZE: A1		CAGE CODE: 00779	DRAWING NO: 2170450
SCALE: 2:1		SHEET: 4	OF: 4
REV: 1			