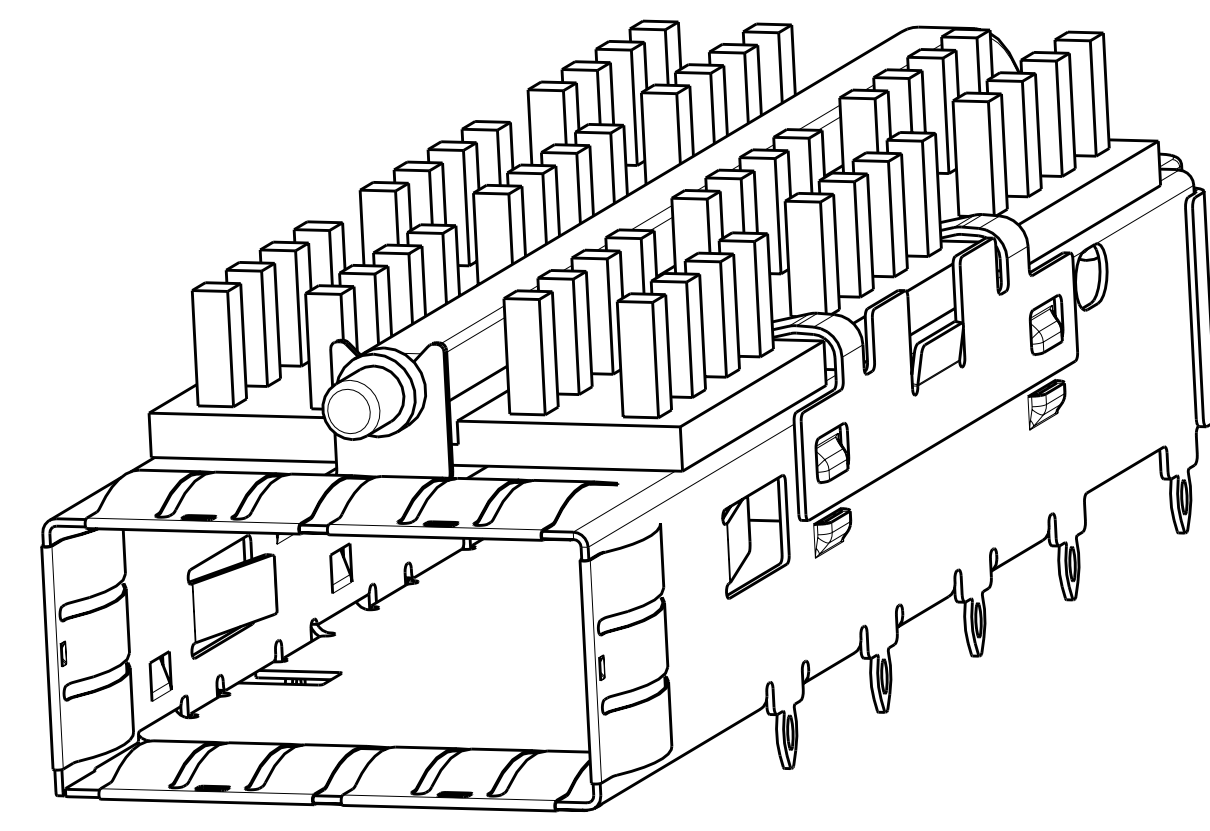
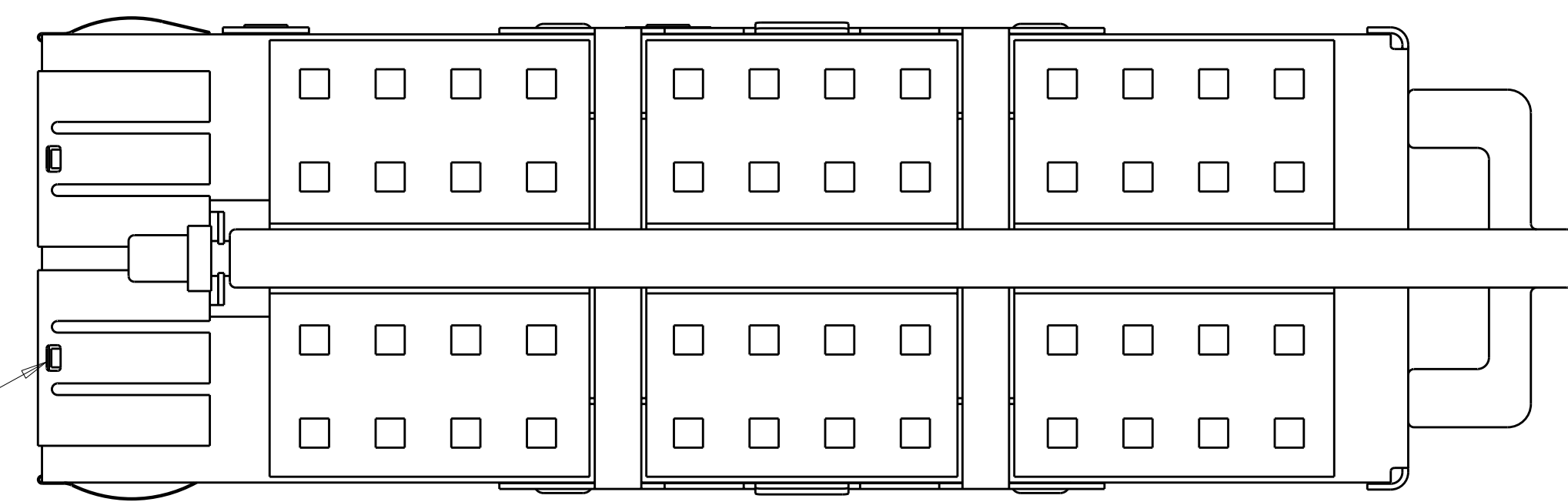


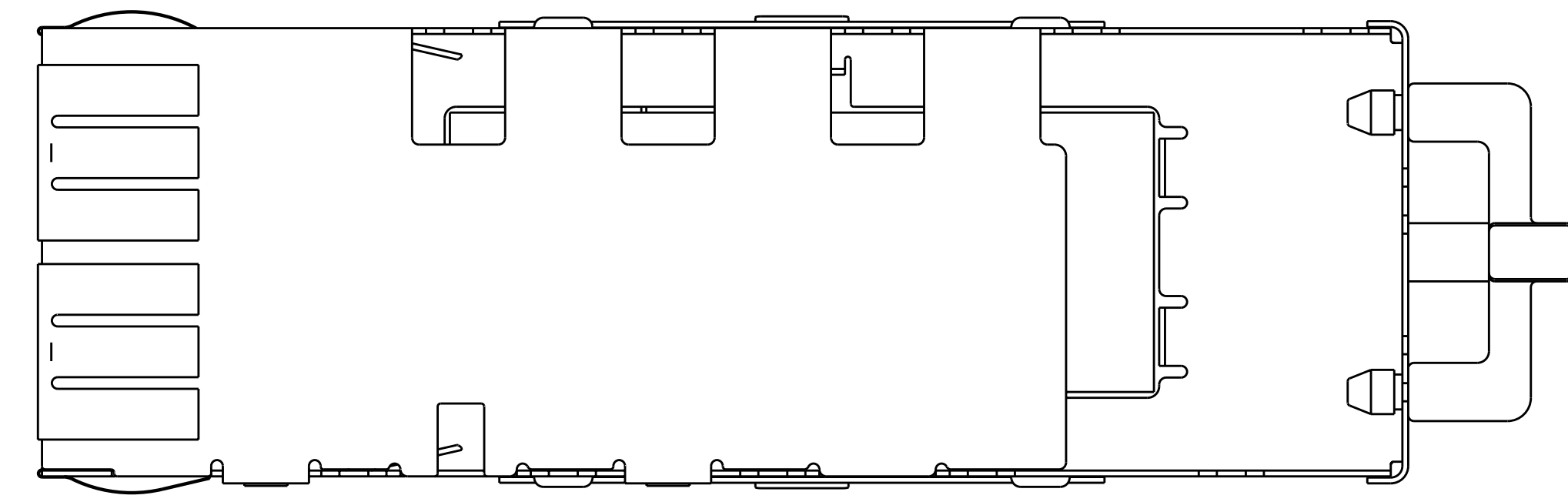
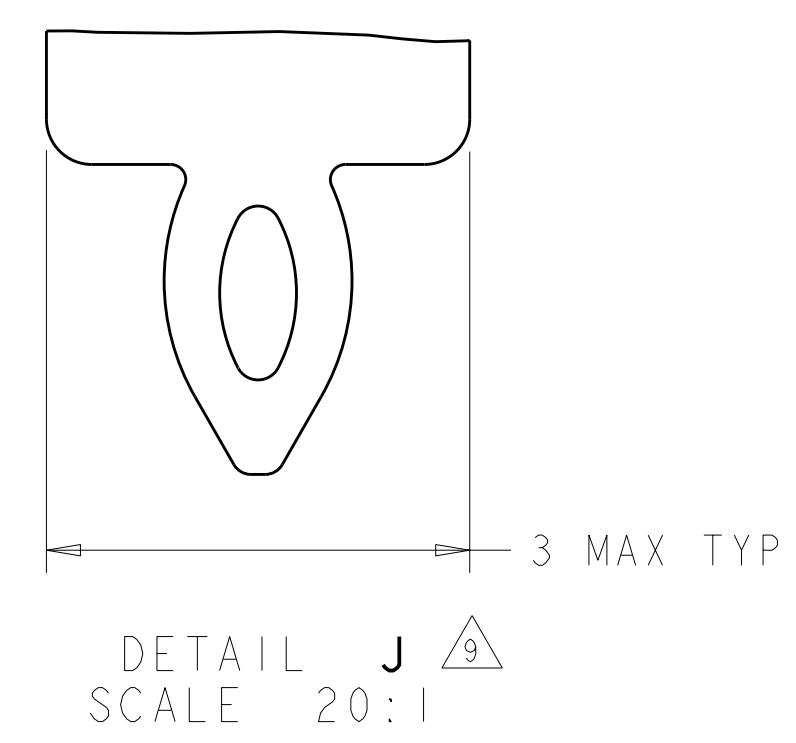
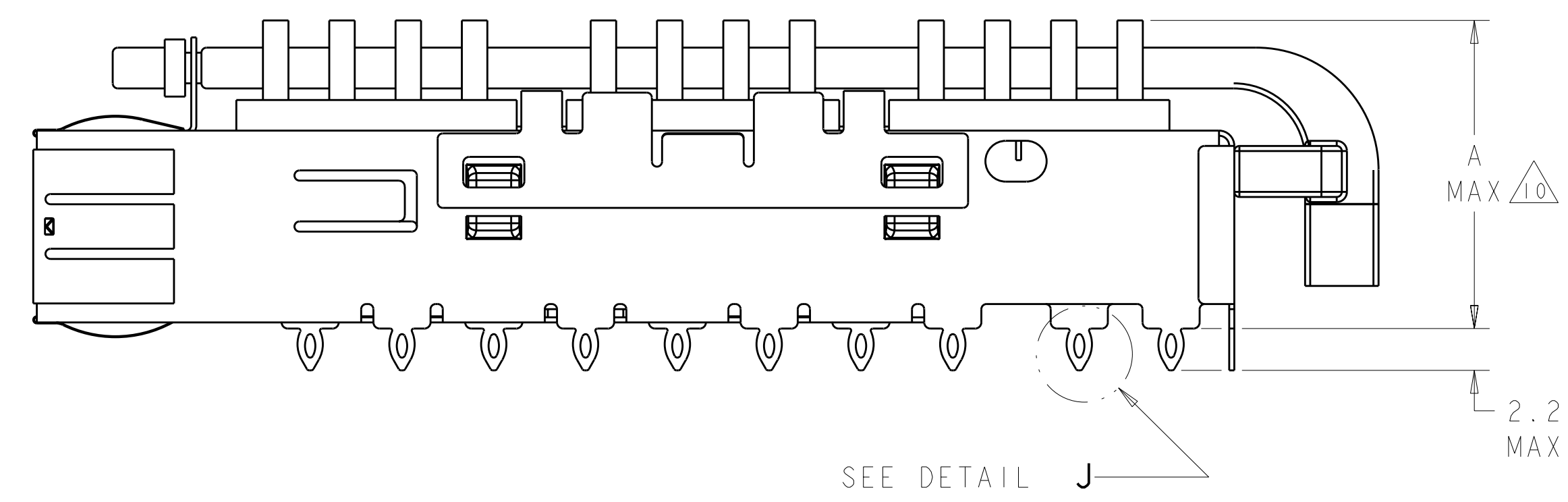
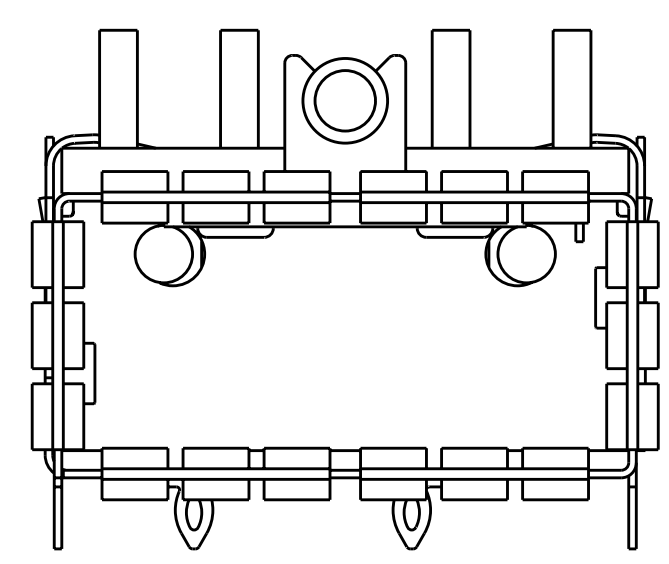
LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
		A		RELEASED PER ECO-08-024323	29SEP2008	CJV	JRP



Sn42Bi58 SOLDER  
6 PLACES



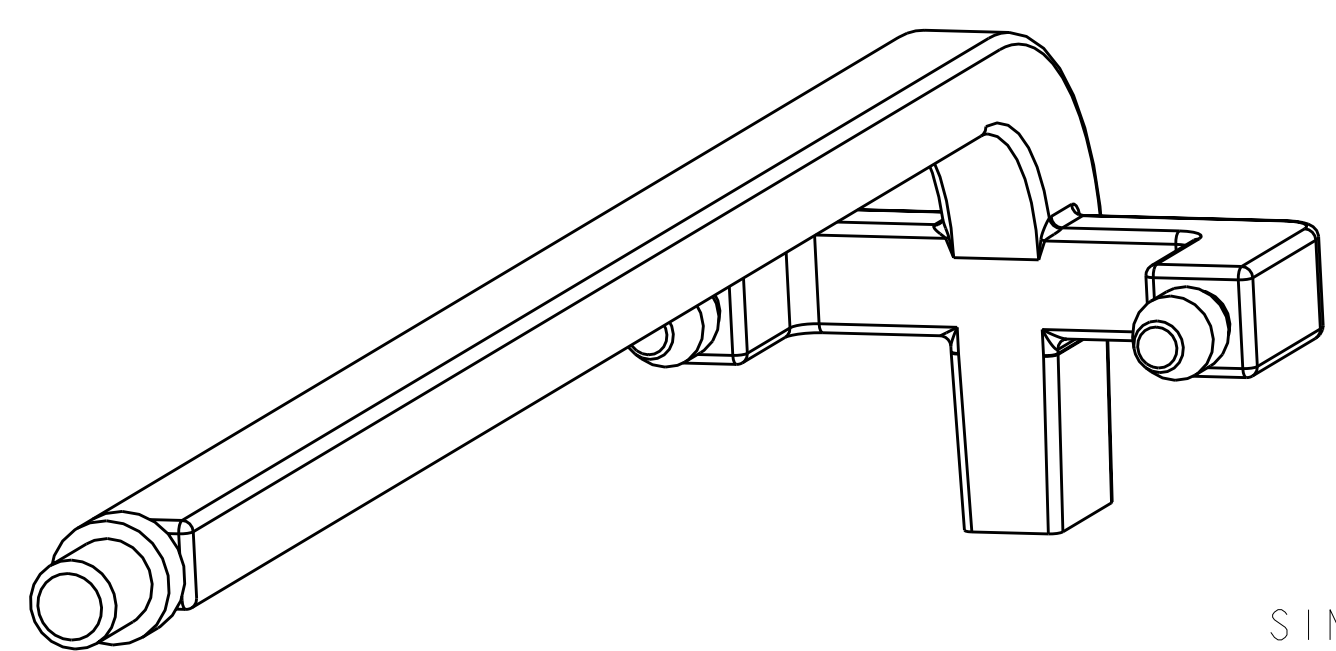
- 1. CAGE MATERIAL: NICKEL SILVER, 0.25 THICK  
 HEAT SINK MATERIAL: ALUMINUM  
 HEAT SINK CLIP MATERIAL: STAINLESS STEEL  
 LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE, UL-94V-0 RATED.  
 EMI SPRING MATERIAL: COPPER ALLOY
- 2. MINIMUM PITCH DIMENSION.
- 3. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 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. HEAT SINK, CLIP, AND LIGHT PIPE 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 TO TOP OF HEAT SINK.
- 11. MAXIMUM HEIGHT OF CUSTOMER SUPPLIED LED OFF PC BOARD: 1.70mm.
- 12. DATE CODE (YYWW) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINK APPLIES TO CAGE ASSEMBLY ONLY.
- 13. SPRING FINISH: 0.8µm MIN TIN OVER 0.8µm MIN NICKEL. NON-PLATED EDGES PERMISSIBLE.
- 14. PRODUCT HAS NOT COMPLETED QUALIFICATION TESTING.
- 15. HEAT SINK AND CLIP SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPE MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED ON THE PCB.



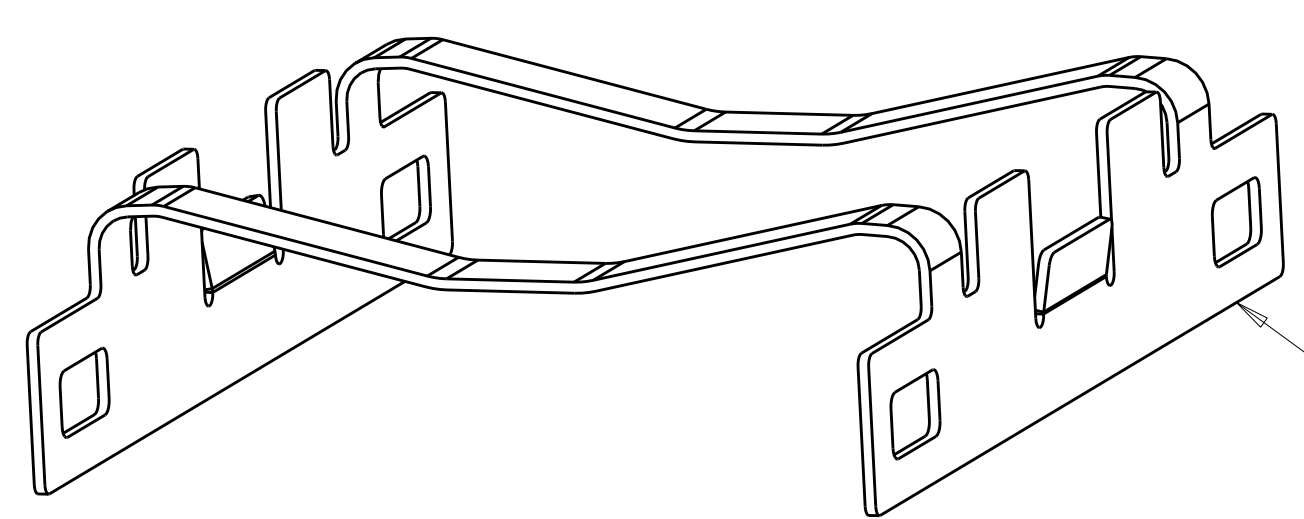
13.7	PCI HEAT SINK	1888972-3
23.0	NETWORKING HEAT SINK	1888972-2
16.0	SAN HEAT SINK (SHOWN)	1888972-1
A	DESCRIPTION	PART NUMBER

DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±.5 7 PLC ±0.13 5 PLC ±0.013 4 PLC ±0.0001 ANGLES ±.		DWN C. VALENTINE 09MAR2007 CHK E. BRIGHT 09MAR2007 APVD E. BRIGHT 09MAR2007		Tyco Electronics Harrisburg, PA 17105-3608	
MATERIAL 		FINISH 		NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE		PRODUCT SPEC 108-2286	
APPLICATION SPEC 114-13217		WEIGHT -		SIZE CAGE CODE DRAWING NO A100779C-1888972		RESTRICTED TO -	
CUSTOMER DRAWING				SCALE 4:1		SHEET 1 OF 4 REV A	

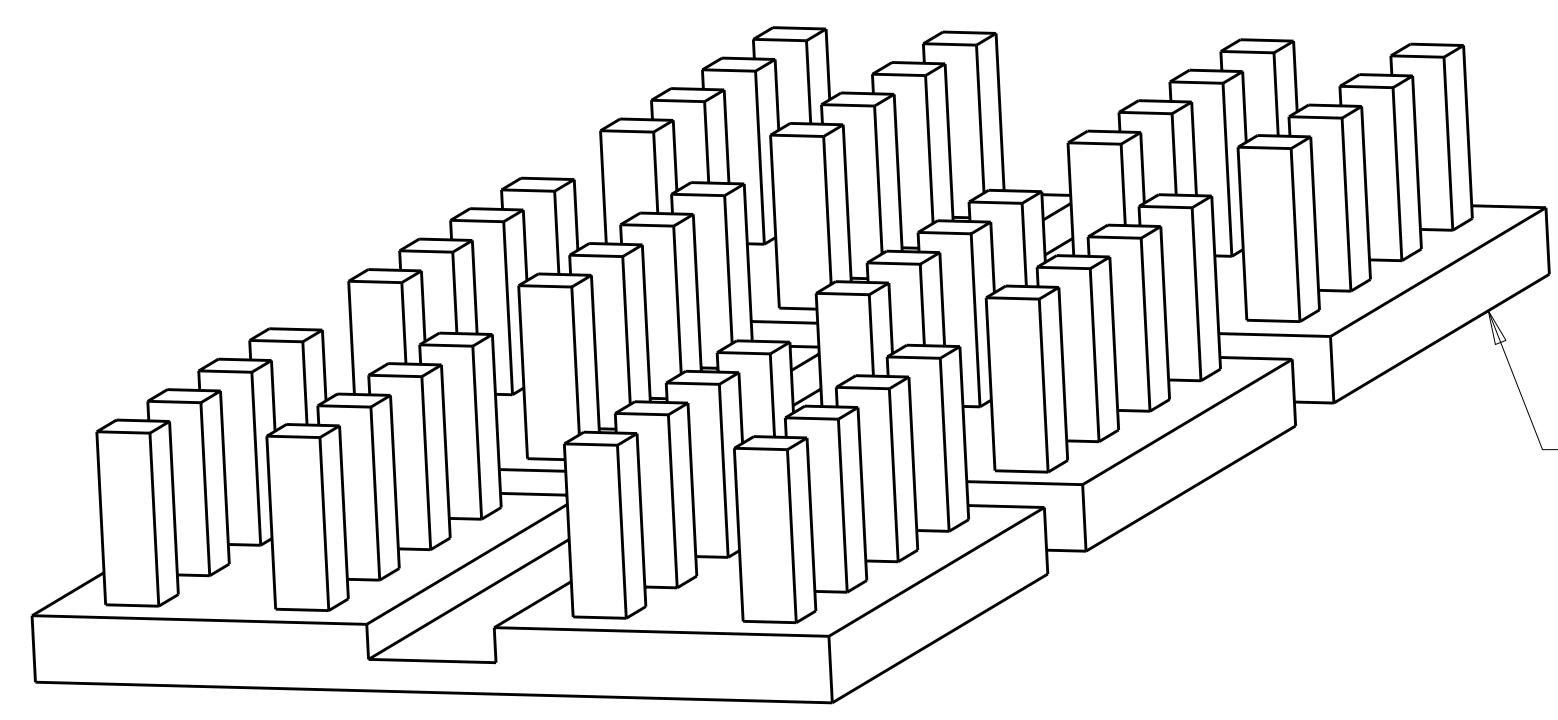
LOC	DIST	REVISIONS			
REV	DATE	DESCRIPTION	DATE	DWN	APVD
GP	00	SEE SHEET 1	-	-	-



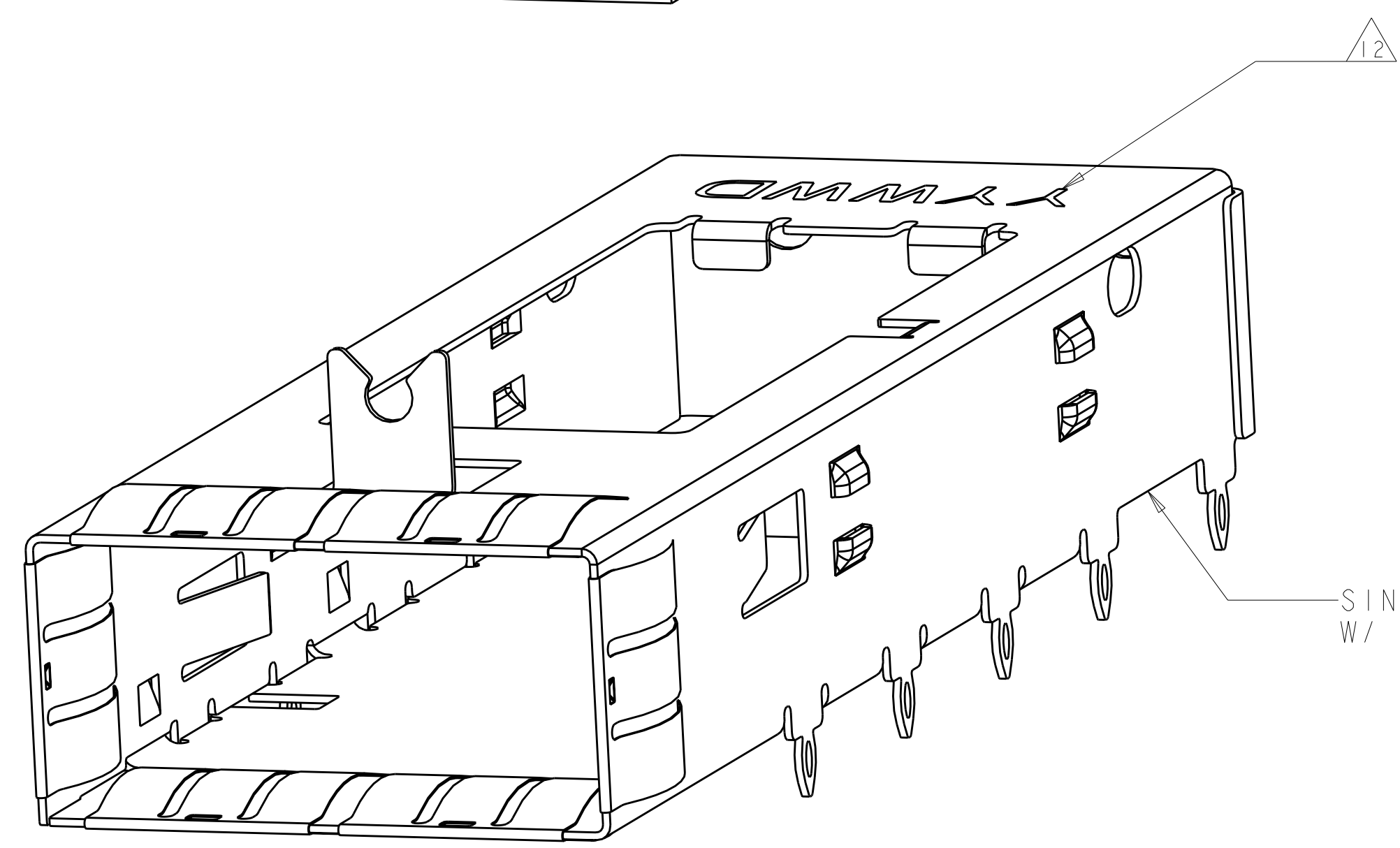
SINGLE LIGHT PIPE  $\nabla 15$



HEAT SINK CLIP  $\nabla 15$



HEAT SINK  $\nabla 15$

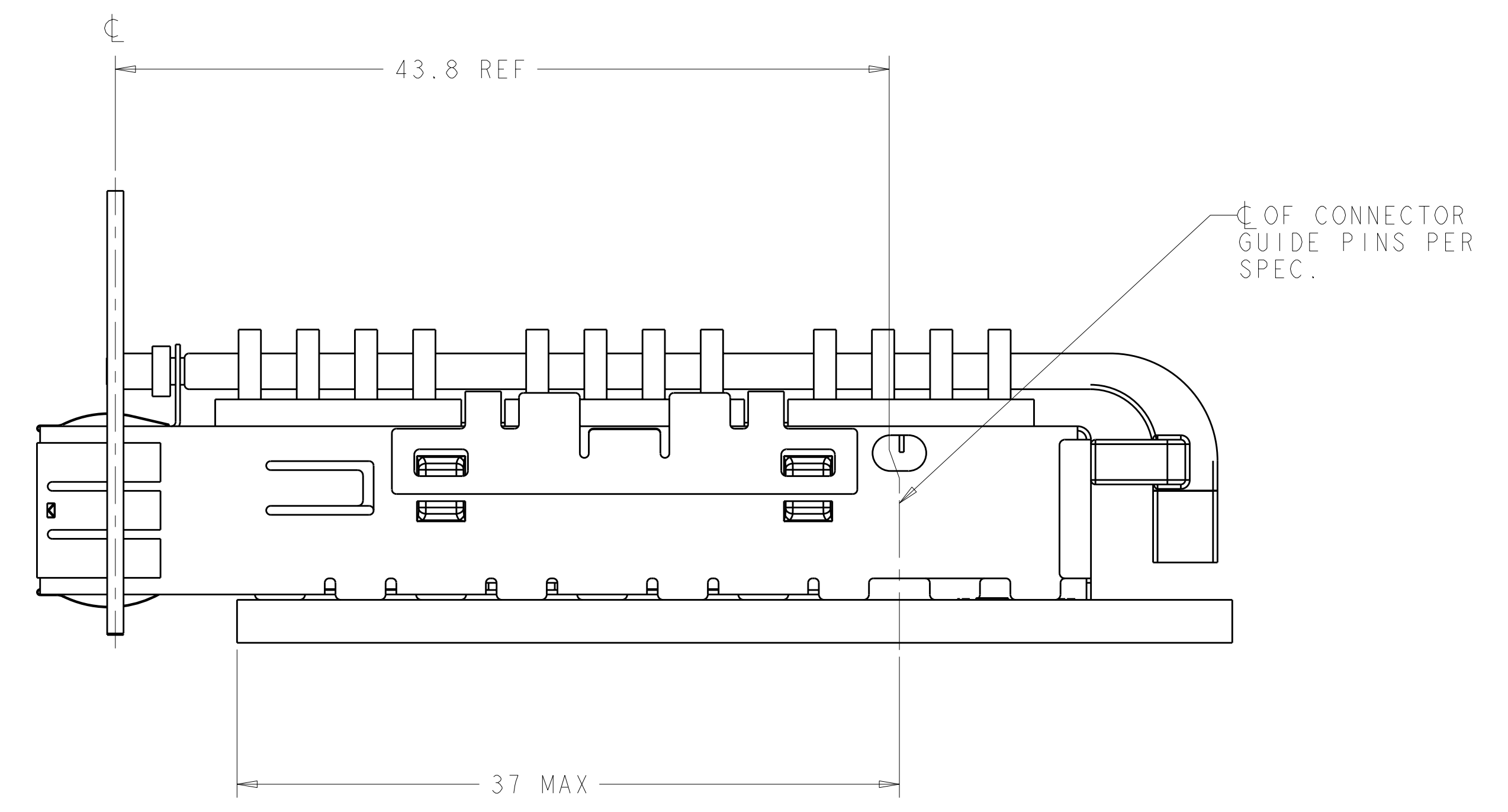
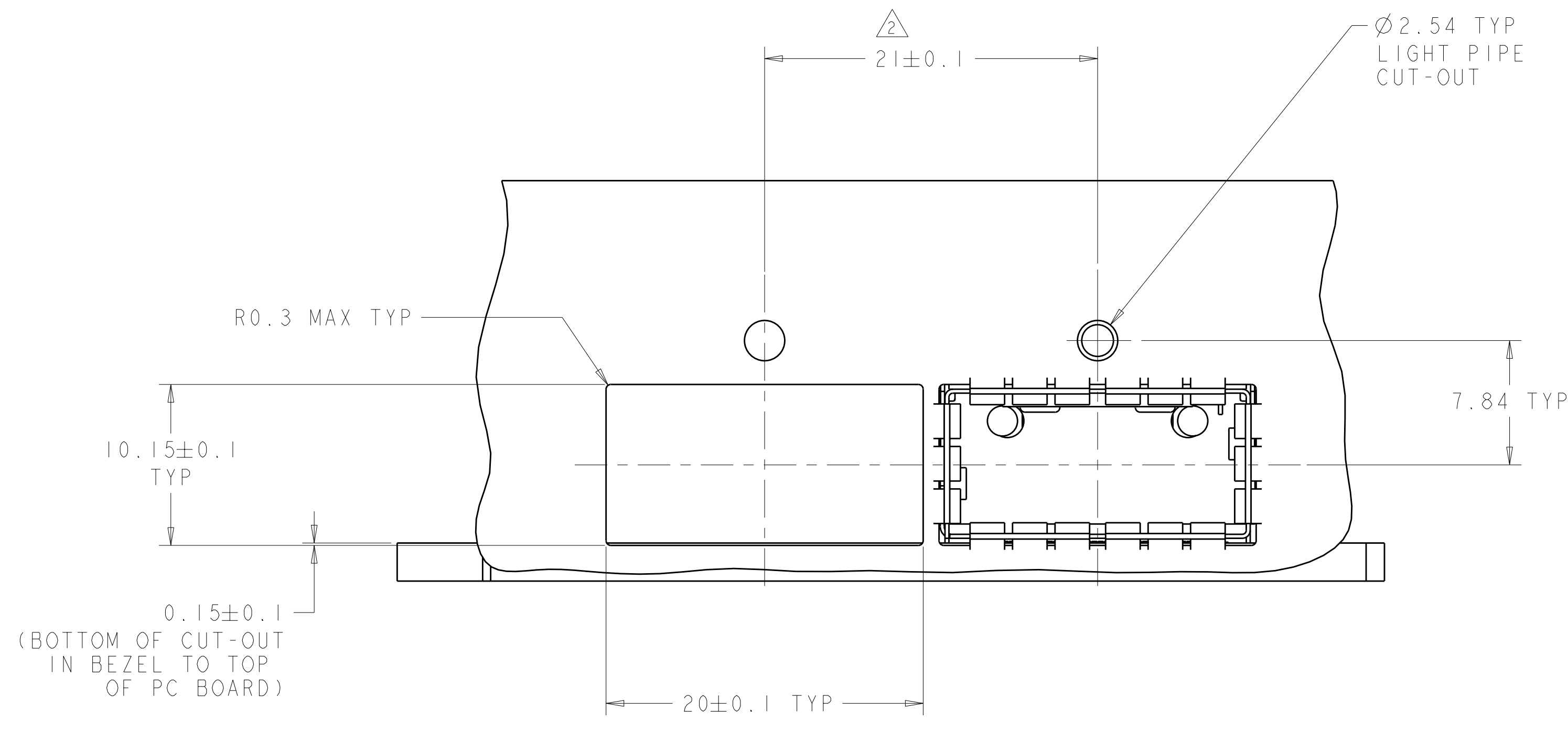


SINGLE QSFP CAGE  
W/ LIGHT PIPE HOLDER  $\nabla 12$

EXPLODED ISOMETRIC VIEW  
SCALE 6:1

<small>THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007. THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007. THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007. THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007. THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007.</small>		DWN C. VALENTINE 09MAR2007 CHK E. BRIGHT 09MAR2007 APVD E. BRIGHT 09MAR2007	Tyco Electronics Harrisburg, PA 17105-3608
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±	NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217 WEIGHT - CUSTOMER DRAWING
MATERIAL FINISH		SIZE A100779C-1888972 SCALE 4:1	RESTRICTED TO - SHEET 2 OF 4 REV A

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

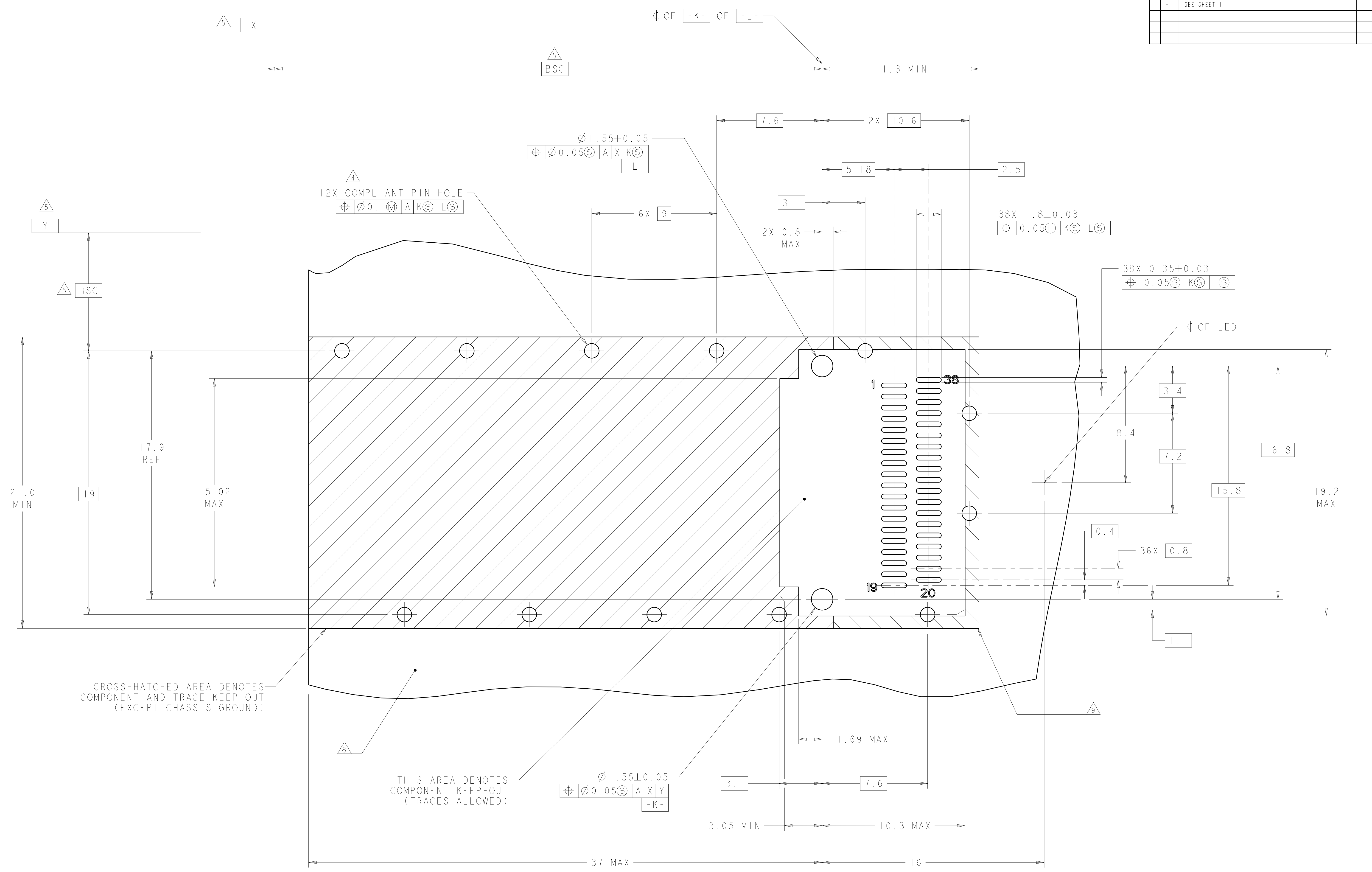


<small>THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2007. IT IS SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT OBLIGATION. SHOULD BE CONTACTED FOR THE LATEST REVISION.</small>		DWN C. VALENTINE 09MAR2007	Tyco Electronics Harrisburg, PA 17105-3608
DIMENSIONS: mm		CHK E. BRIGHT 09MAR2007	NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.001 ANGLES ±		APVD E. BRIGHT 09MAR2007	PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217
MATERIAL FINISH		WEIGHT -	SIZE CAGE CODE DRAWING NO A100779C-1888972
CUSTOMER DRAWING		SCALE 4:1	SHEET 3 OF 4 REV A

LOC	DIST	REV	DATE	BY	APPD
GP	00				

REVISIONS		DATE	BY	APPD
1	SEE SHEET 1			



RECOMENDED PC BOARD LAYOUT  
 SCALE 8:1

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DIMENSIONS: mm		CHK E. BRIGHT 09MAR2007	NAME CAGE ASSEMBLY, THRU BEZEL, QSFP, W/ HEAT SINK AND SINGLE LIGHT PIPE
TOLERANCES UNLESS OTHERWISE SPECIFIED: 9 PLC ±.5 7 PLC ±0.13 5 PLC ±0.013 4 PLC ±0.001 ANGLES ±.001		APVD E. BRIGHT 09MAR2007	
MATERIAL FINISH		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13217	SIZE A 100779 C=1888972
		WEIGHT CUSTOMER DRAWING	RESTRICTED TO SCALE 4:1 SHEET 4 OF 4 REV A