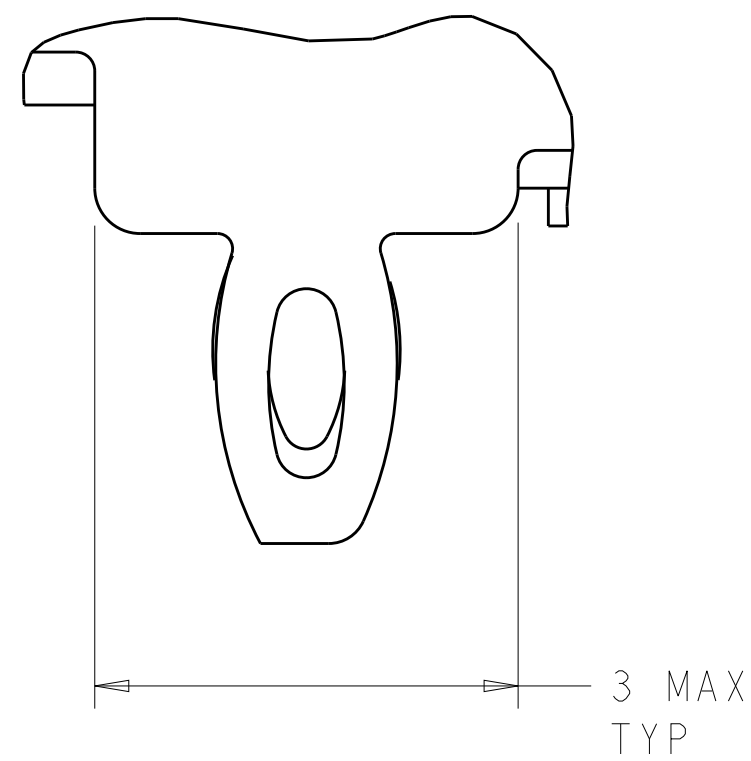


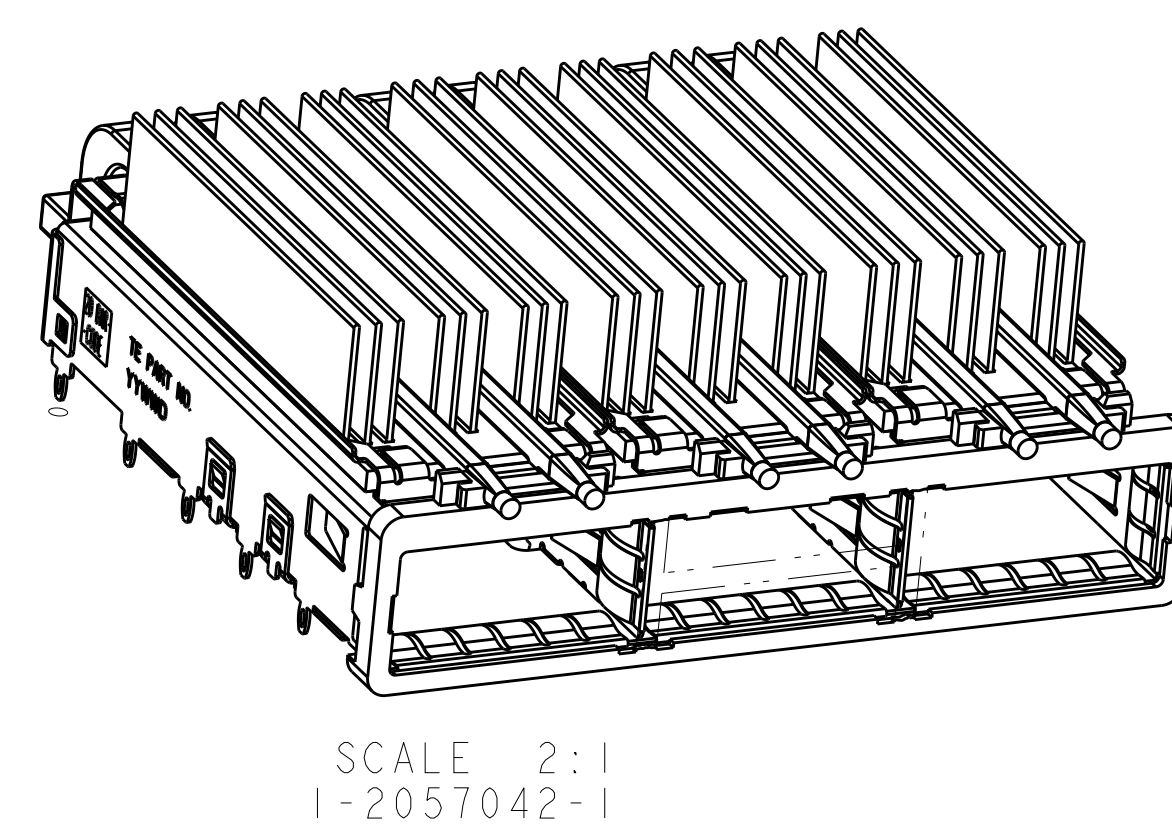
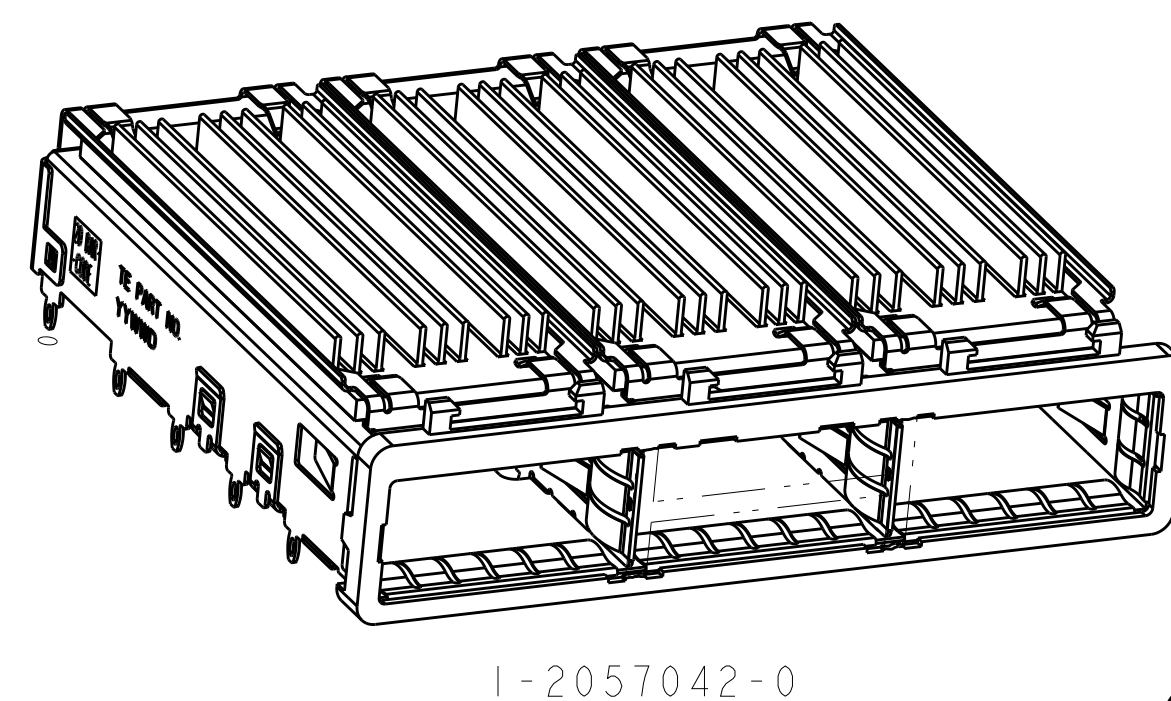
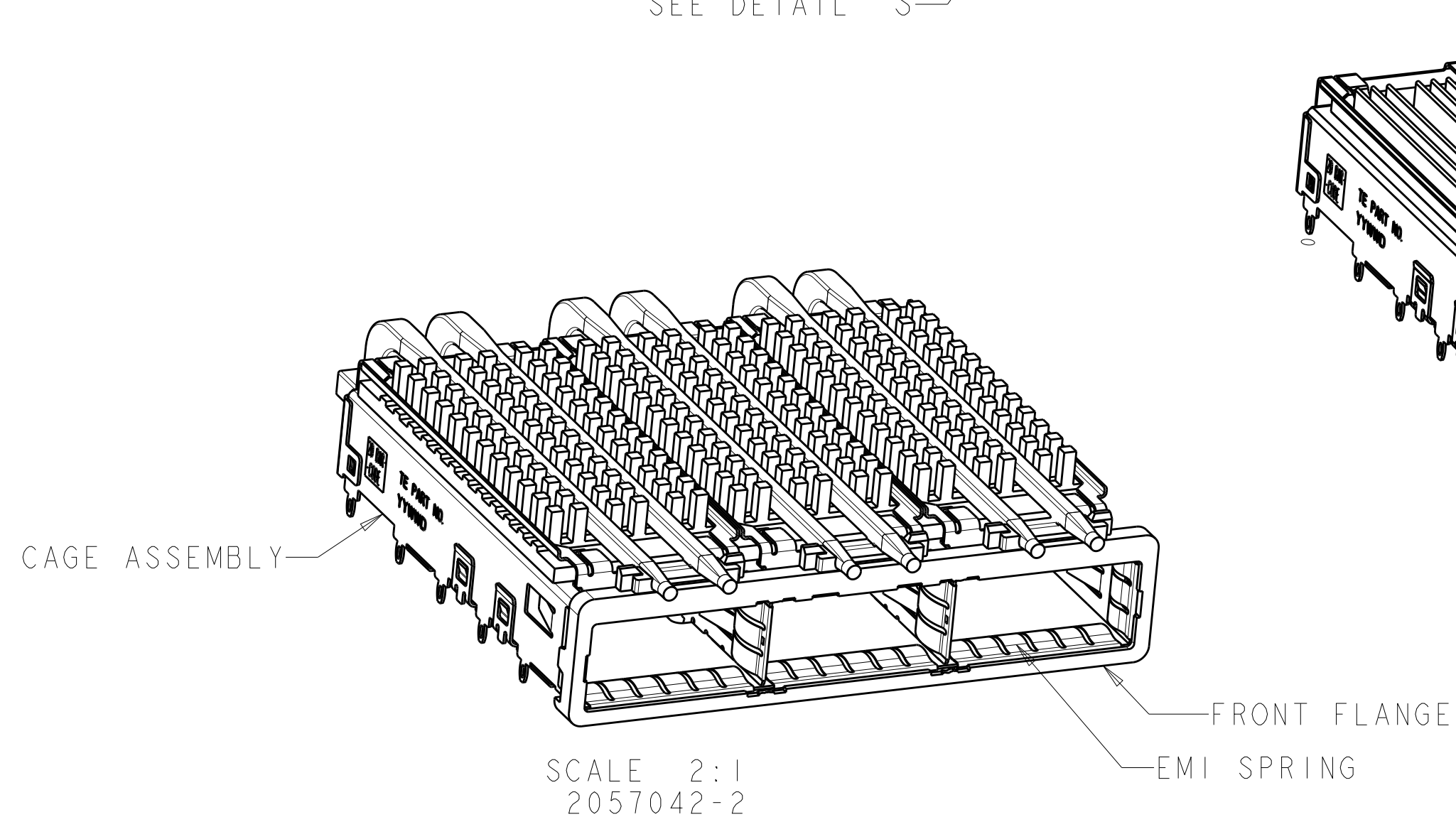
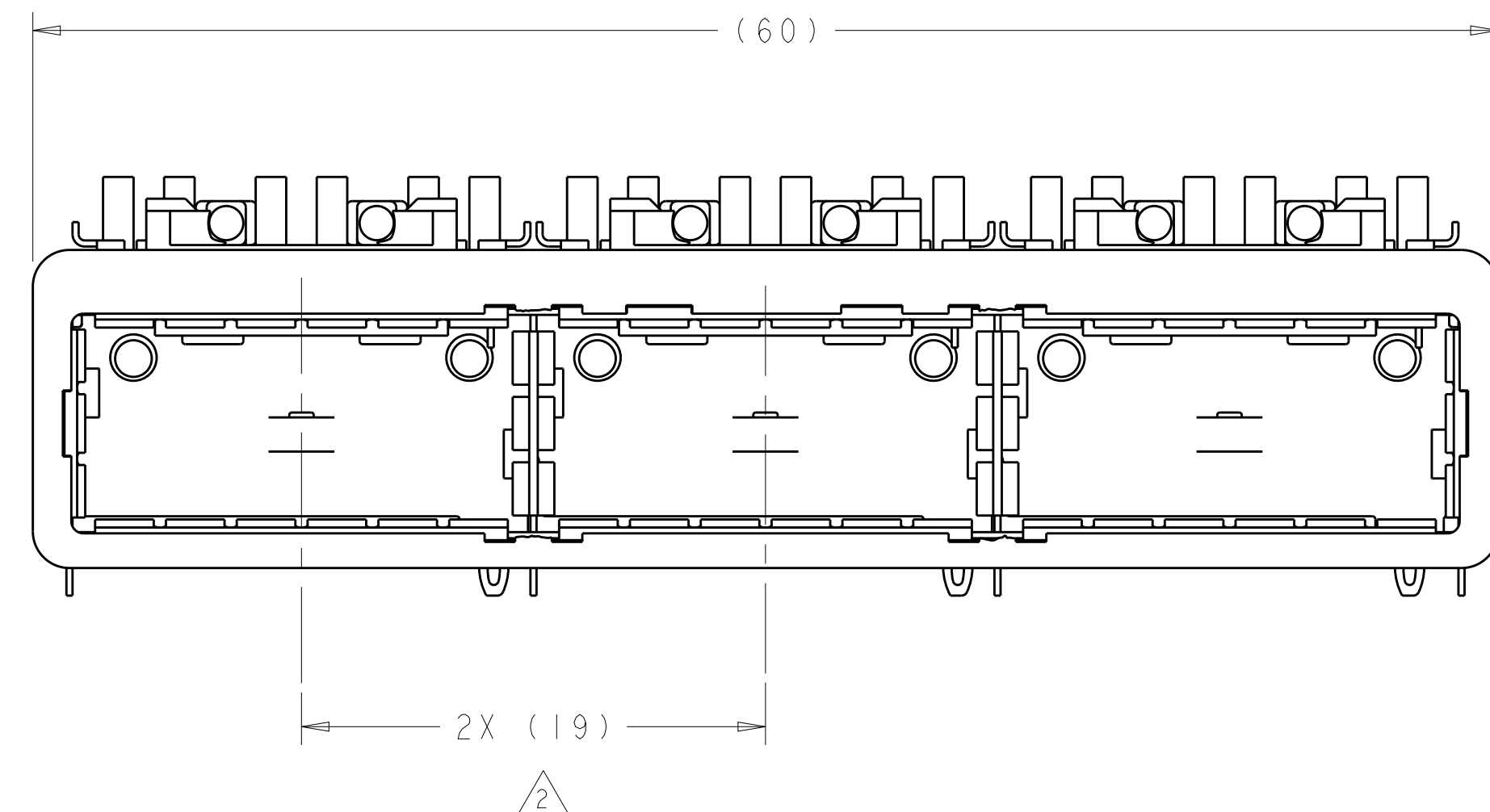
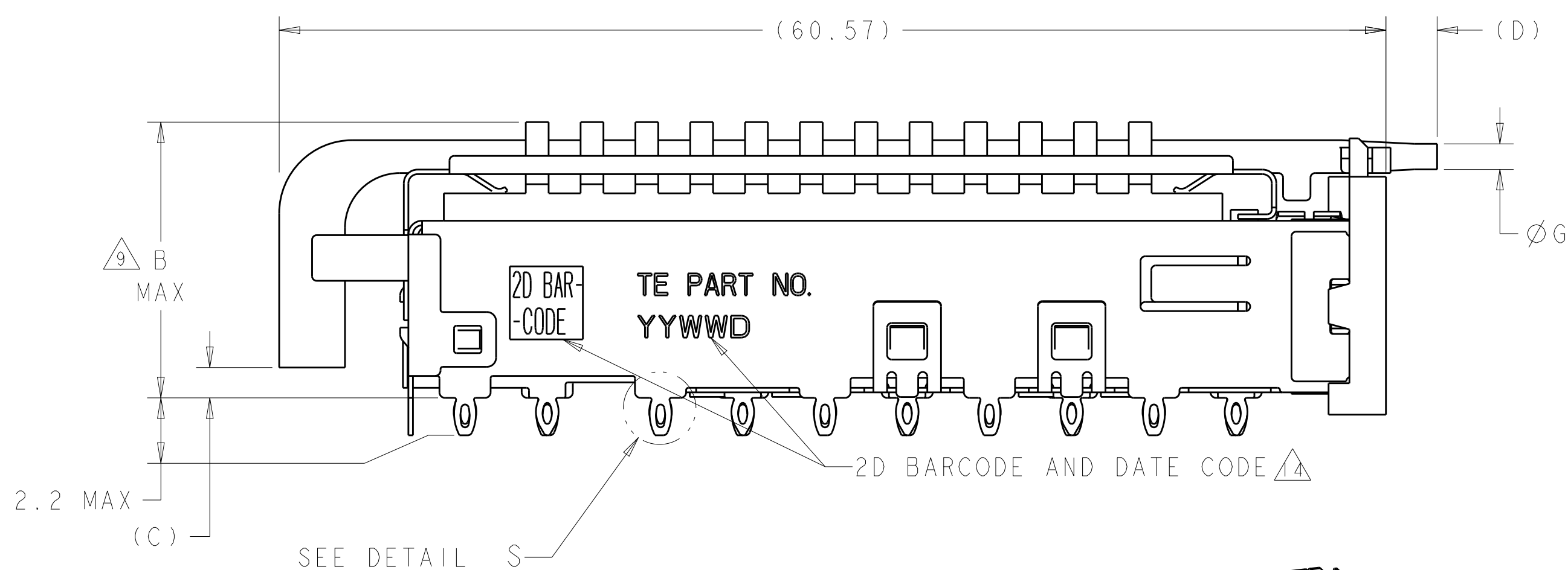
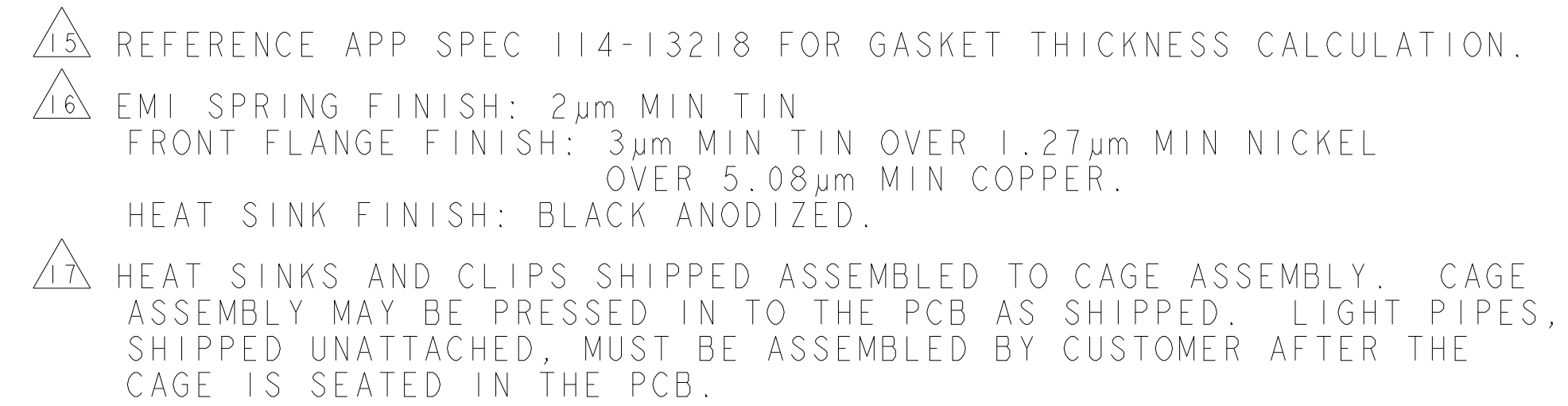
THIS DRAWING IS UNPUBLISHED.		RELEASED FOR PUBLICATION		2007
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LOC	DIST	REVISIONS						
GP	00	F	LTR	DESCRIPTION	DATE	DRN	APVD	
		C	I	REVISED PER ECO-11-004835	11MAR2011	RK	HMR	
		D		REVISED PER ECO-12-005533	31MAR2012	JY	AC	
		E		REVISED PER ECO-13-009872	26NOV2013	RG	MC	
		F		REVISED PER ECO-14-016878	30DEC2014	RG	MC	



DETAIL S 
SCALE 20:1

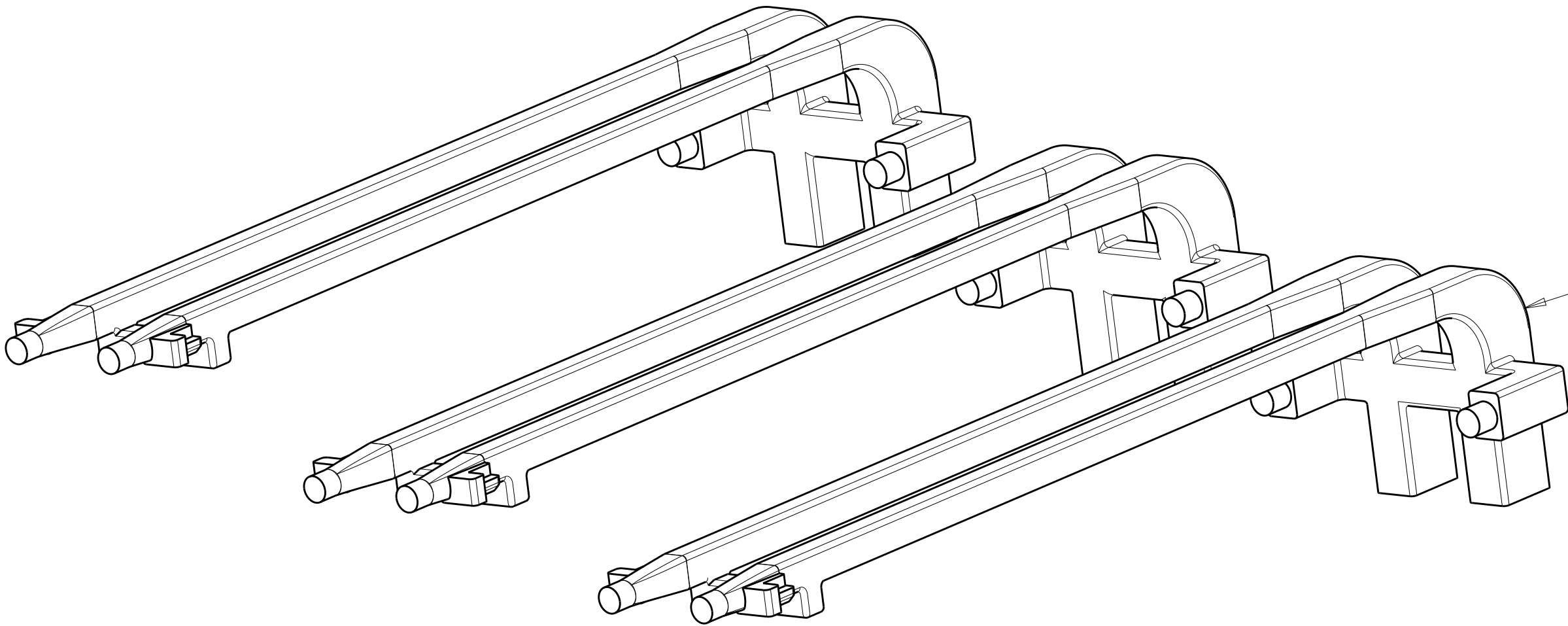
- ① CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRINGS MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
- ② PITCH BETWEEN PORTS OF ONE 1X3 CAGE ASSEMBLY.
- ③ SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- ④ REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- ⑤ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ⑥ DIMENSION F IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MINIMUM THICKNESS = 1.45mm
DOUBLE SIDED PC BOARD MINIMUM THICKNESS = 2.2mm PER QSFP
- ⑦ HEAT SINKS, LIGHT PIPES, AND HEAT SINK CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- ⑧ DATUM -A- IS TOP SURFACE OF PC BOARD.
- ⑨ DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- ⑩ UNPLATED THRU HOLE.
11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- ⑫ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- ⑬ BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- ⑭ 2D BARCODE AND DATE CODE (YYWWDD) MARKED ON SIDE OF CAGE ASSEMBLY.



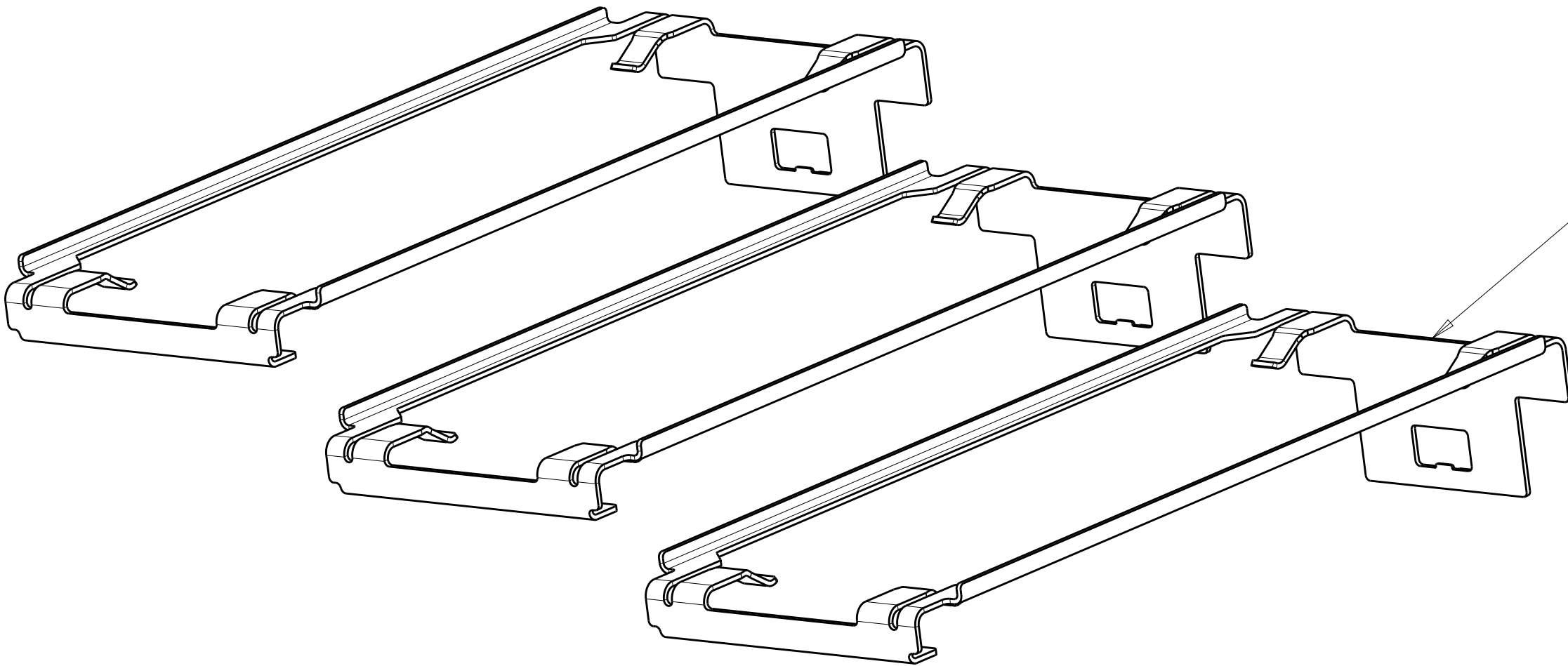
7	1.4	0.8-1.1	2.0	1.70	21.0	FIN TYPE	I-2057042-1
	N/A	N/A	N/A	N/A	15.0	FIN TYPE	I-2057042-0
7	2.0	0.8-1.1	3.5	1.70	16.8	CUSTOMERIZED	2057042-9
7	1.4	0.8-1.1	2.0	1.70	23.0	NETWORKING	2057042-8
7	1.4	0.8-1.1	2.0	1.70	16.0	SAN	2057042-7
7	1.4	0.8-1.1	2.0	1.70	13.7	PCI	2057042-6
7	1.4	1.3-1.4	5.7	2.15	16.0	SAN	2057042-5
7	1.4	1.3-1.4	5.7	2.15	13.7	PCI	2057042-4
7	1.4	0.8-1.1	2.8	1.70	23.0	NETWORKING	2057042-3
7	1.4	0.8-1.1	2.8	1.70	16.0	SAN	2057042-2
7	1.4	0.8-1.1	2.8	1.70	13.7	PCI	2057042-1
	G	E	D	C	B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.VALENTINI	28FEB2008				
		CW E.BRIGHT	28FEB2008				
DIMENSIONS:		APVD E.BRIGHT	28FEB2008				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME					
mm	0 PLC ± 2 PLC #0.1 3 PLC ± 4 PLC ±	IX3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSP					
	PRODUCT SPEC 108-2286	SIZE CAGE CODE DRAWING NO					
	APPLICATION SPEC 114-13218	A1 00779 ©=2057042					
MATERIAL	FINISH	RESTRICTED TO					
		SCALE SHEET OF REV F					
		CUSTOMER DRAWING					

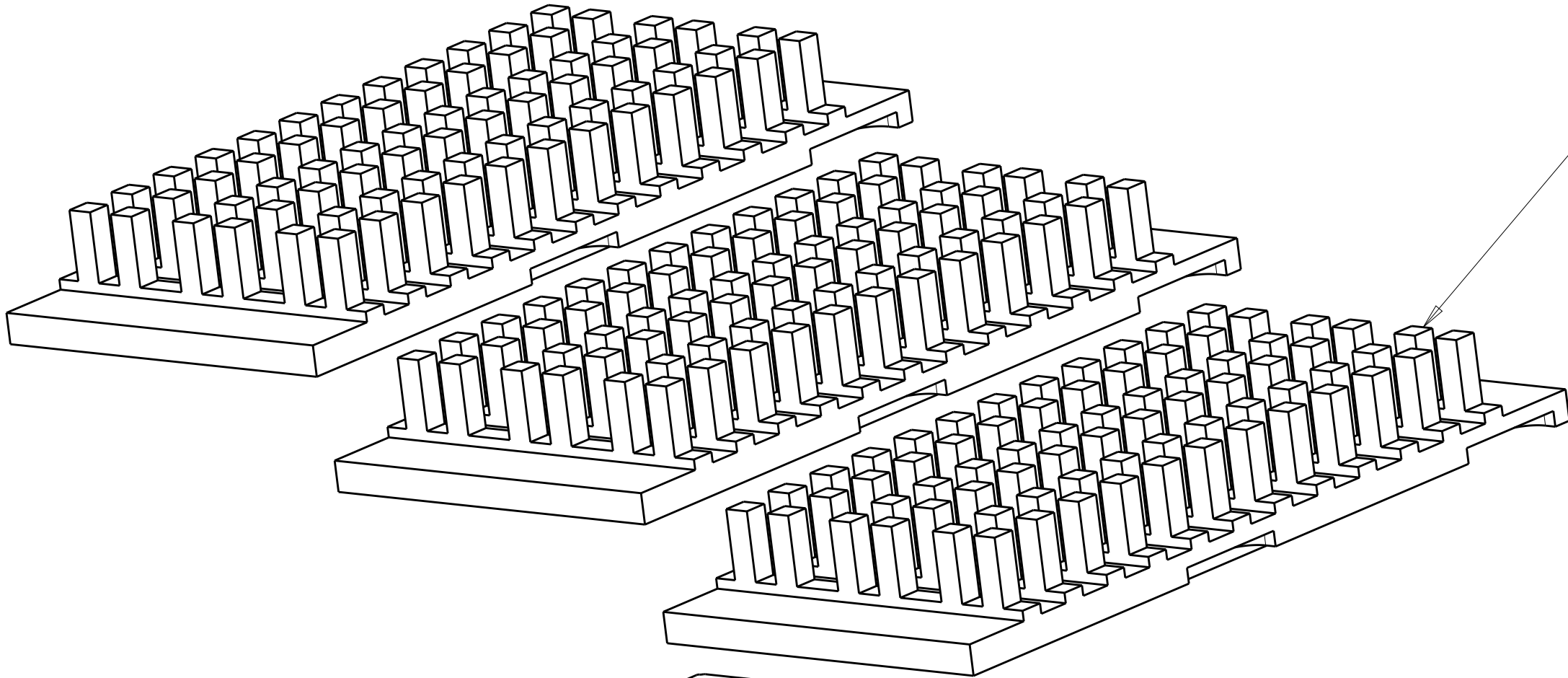
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



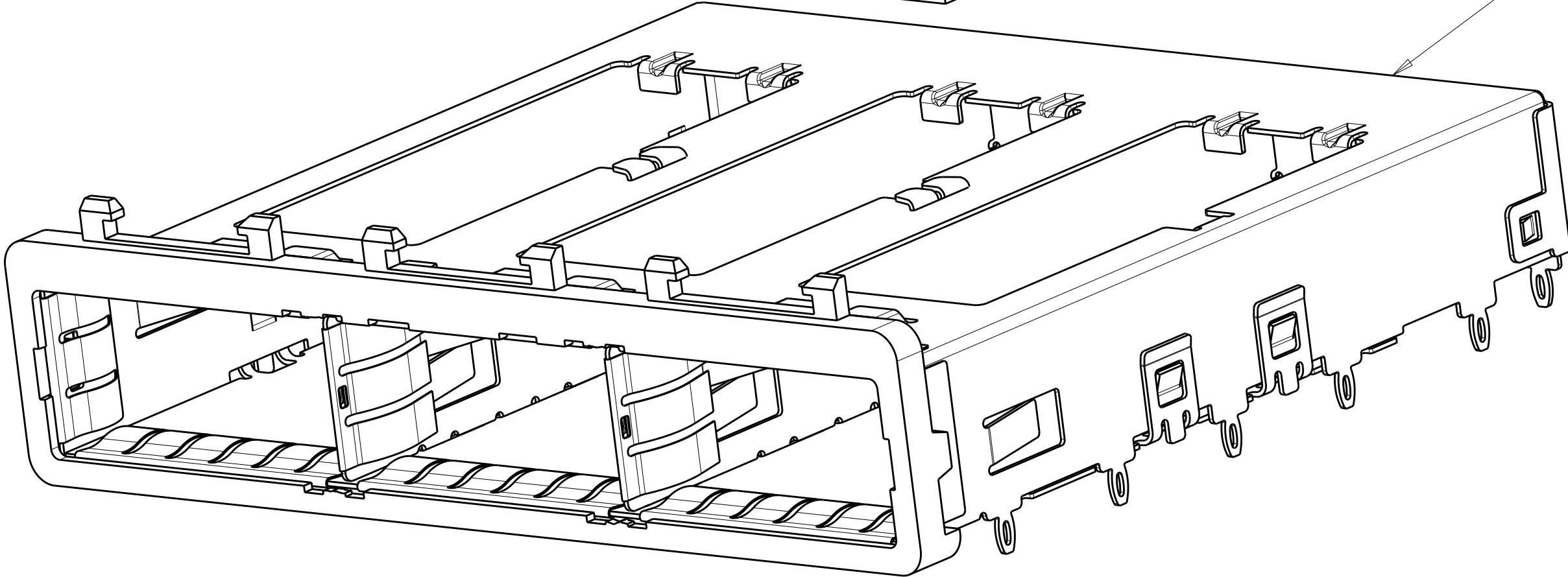
DOUBLE LIGHT PIPES
QUANTITY: 3



HEAT SINK CLIPS
QUANTITY: 3



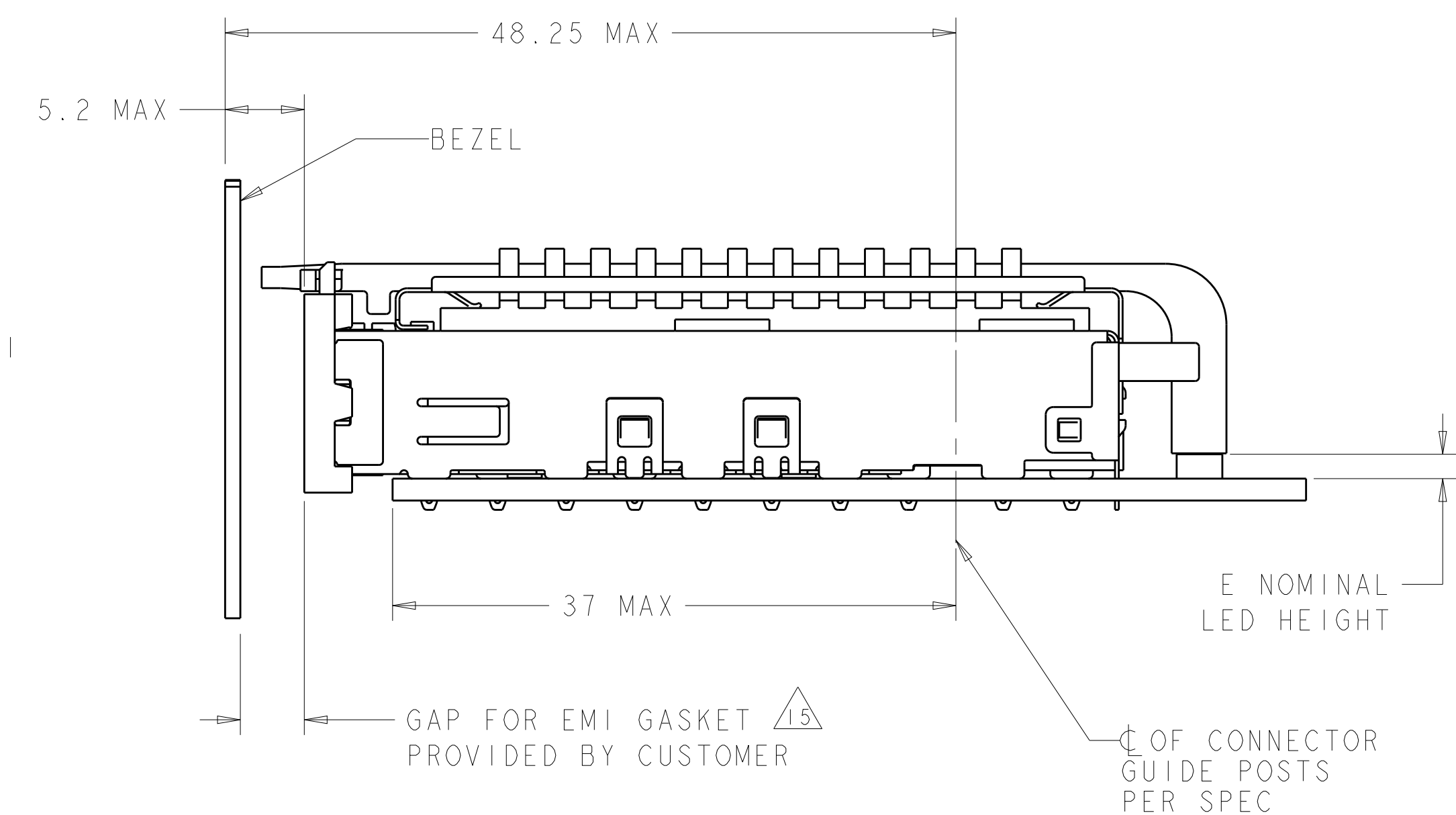
72 PIN HEAT SINKS
QUANTITY: 3



IX3 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

THIS PRODUCT HAS NOT COMPLETED
VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTIN	28FEB2008	 TE Connectivity	
		CHK E. BRIGHT	28FEB2008		
DIMENSIONS:		APVD F. BRIGHT	28FEB2008	NAME IX3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
mm		PRODUCT SPEC		SIZE	
		108-2286		CAGE CODE	
		APPLICATION SPEC		DRAWING NO	
		114-13218		RESTRICTED TO	
		FINISH		A100779C=2057042	
MATERIAL		WEIGHT		-	
		CUSTOMER DRAWING		SCALE 4:1 SHEET 2 OF 5 REV F	



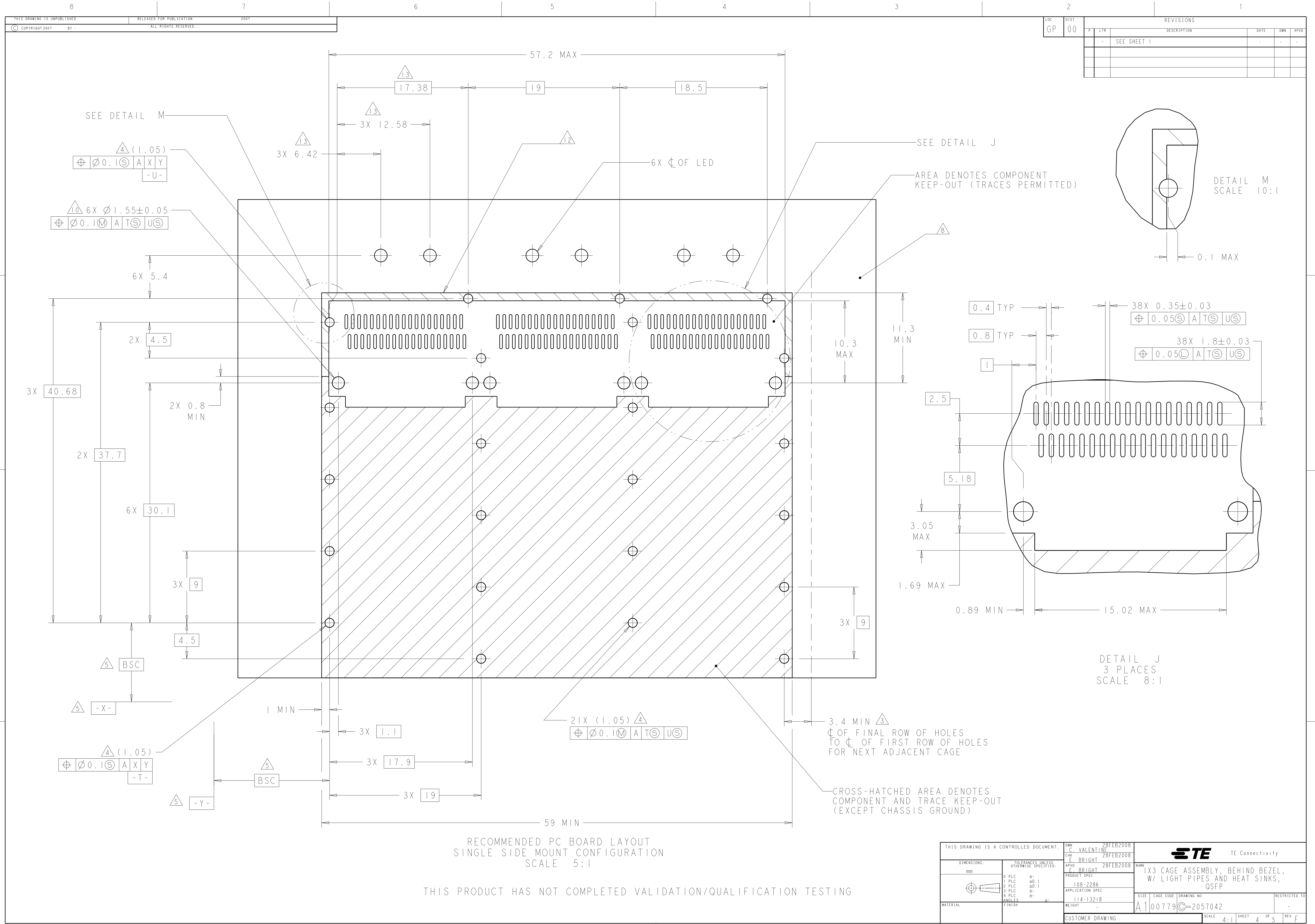
2D BAR-CODE

TE PART NO.

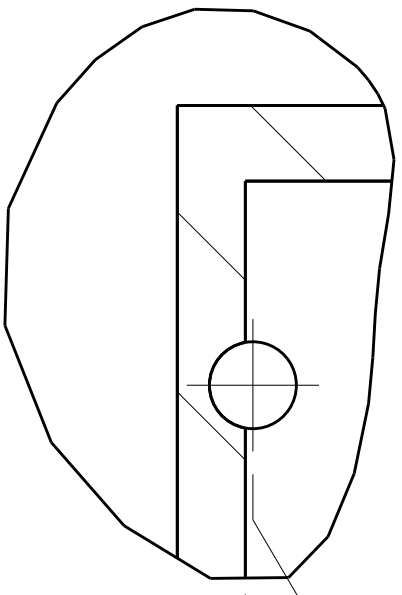
YYMMWD



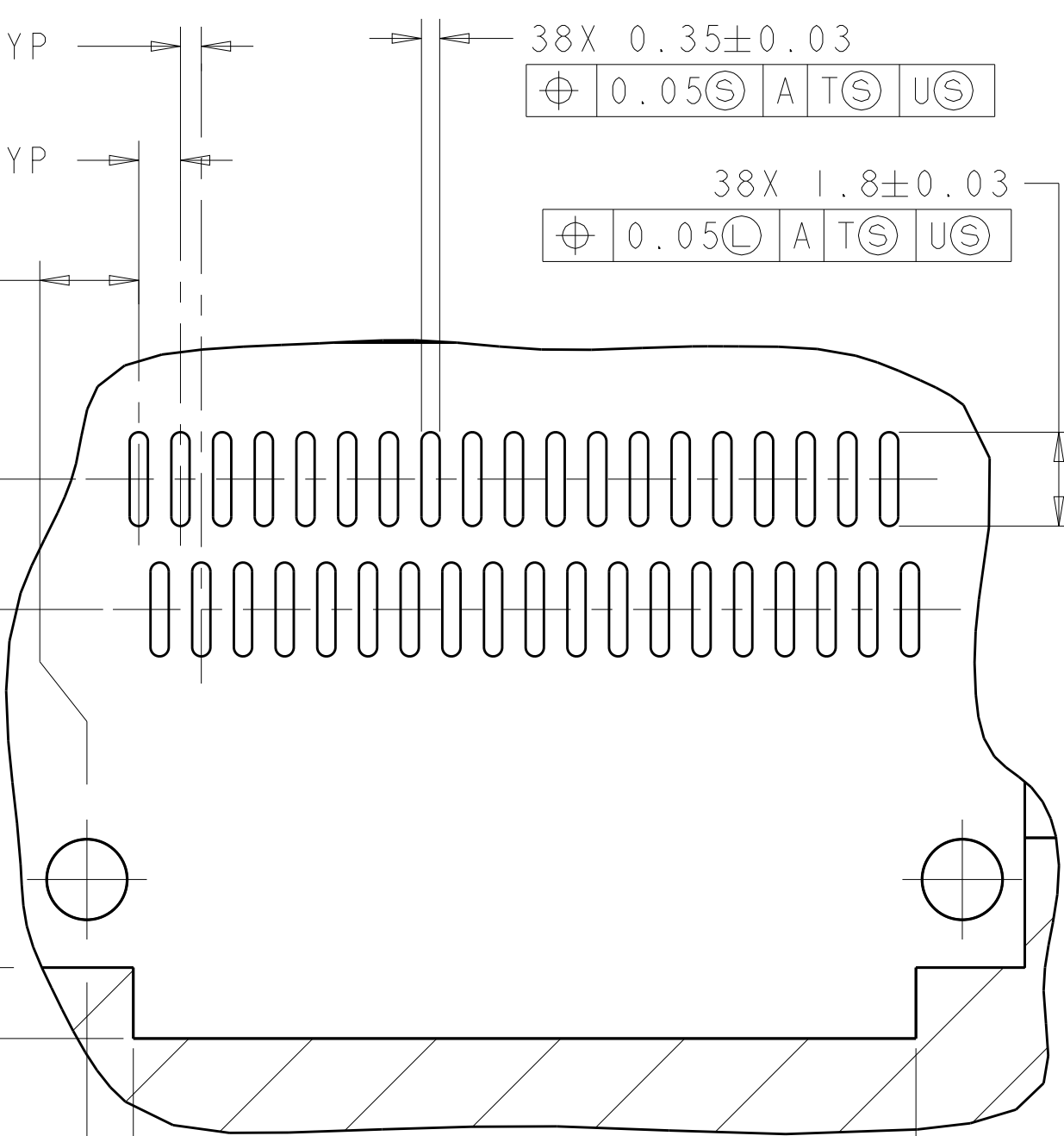
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C VALENTIN 28FEB2008	 TE Connectivity	
		CHK E BRIGHT 28FEB2008		
		APV E BRIGHT 28FEB2008		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP
mm	0 PLC ±.° 1 PLC ±0.1 2 PLC ±.° 3 PLC ±.° 4 PLC ±.°	PRODUCT SPEC 108-2286		
	ANGLES ±.°	APPLICATION SPEC 114-13218		
MATERIAL	FINISH	WEIGHT -		
		CUSTOMER DRAWING		
		SIZE A1 00779 ©=2057042		DRAWING NO RESTRICTED TO
		SCALE A:1		SHEET 3 OF 5
		REV F		



LOC		DIST		REVISES			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	



DETAIL M
SCALE 10:1



DETAIL J
3 PLACES
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 5:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK E. BRIGHT APVD F. BRIGHT	28FEB2008 28FEB2008 28FEB2008	NAME IX3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-2286	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES		± ±0.1 ±0.1 ± ± ±		APPLICATION SPEC 114-13218	
MATERIAL		FINISH		WEIGHT -	
				CUSTOMER DRAWING	
				SCALE 4:1 SHEET 4 OF 5 REV F	

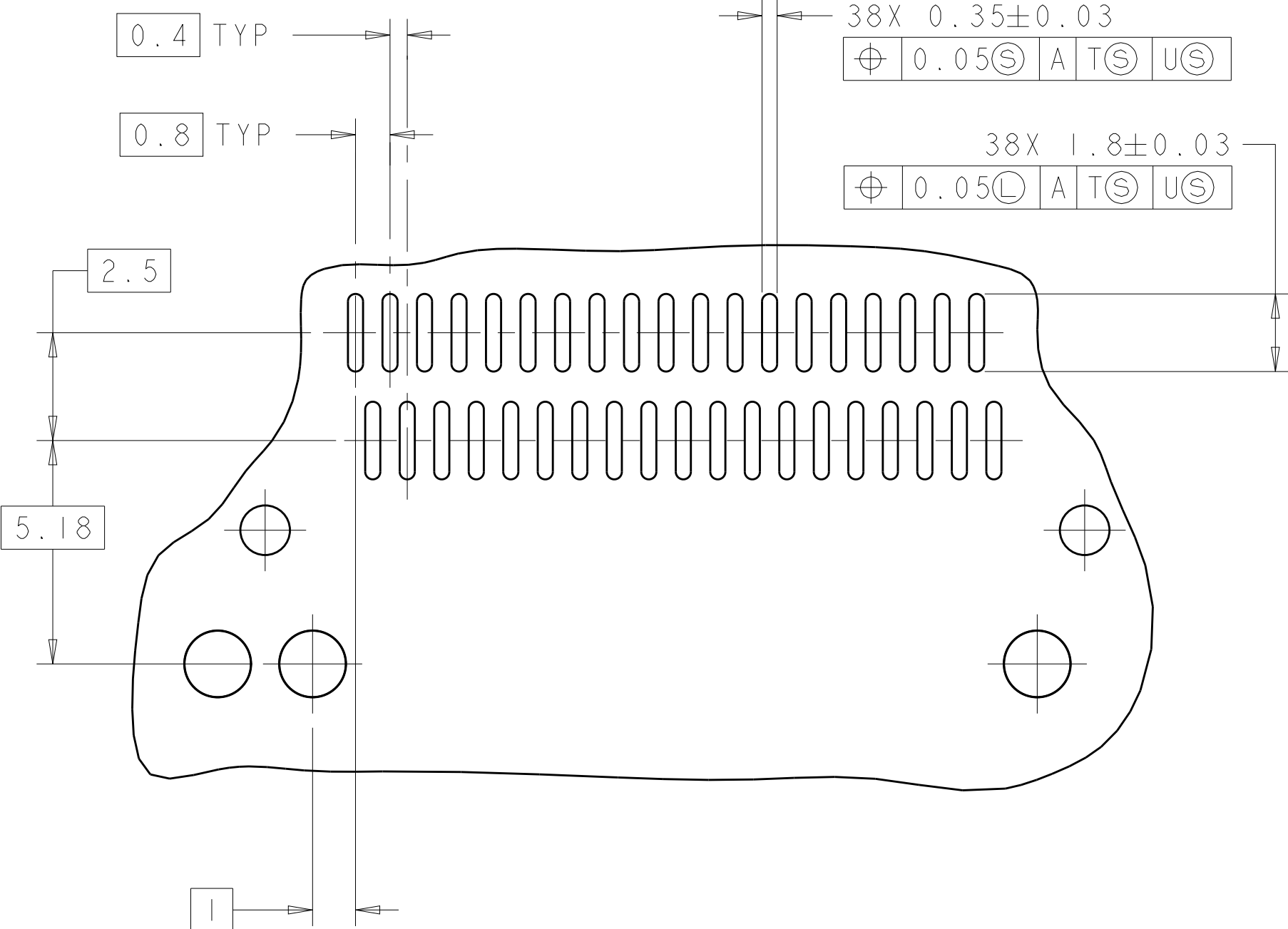
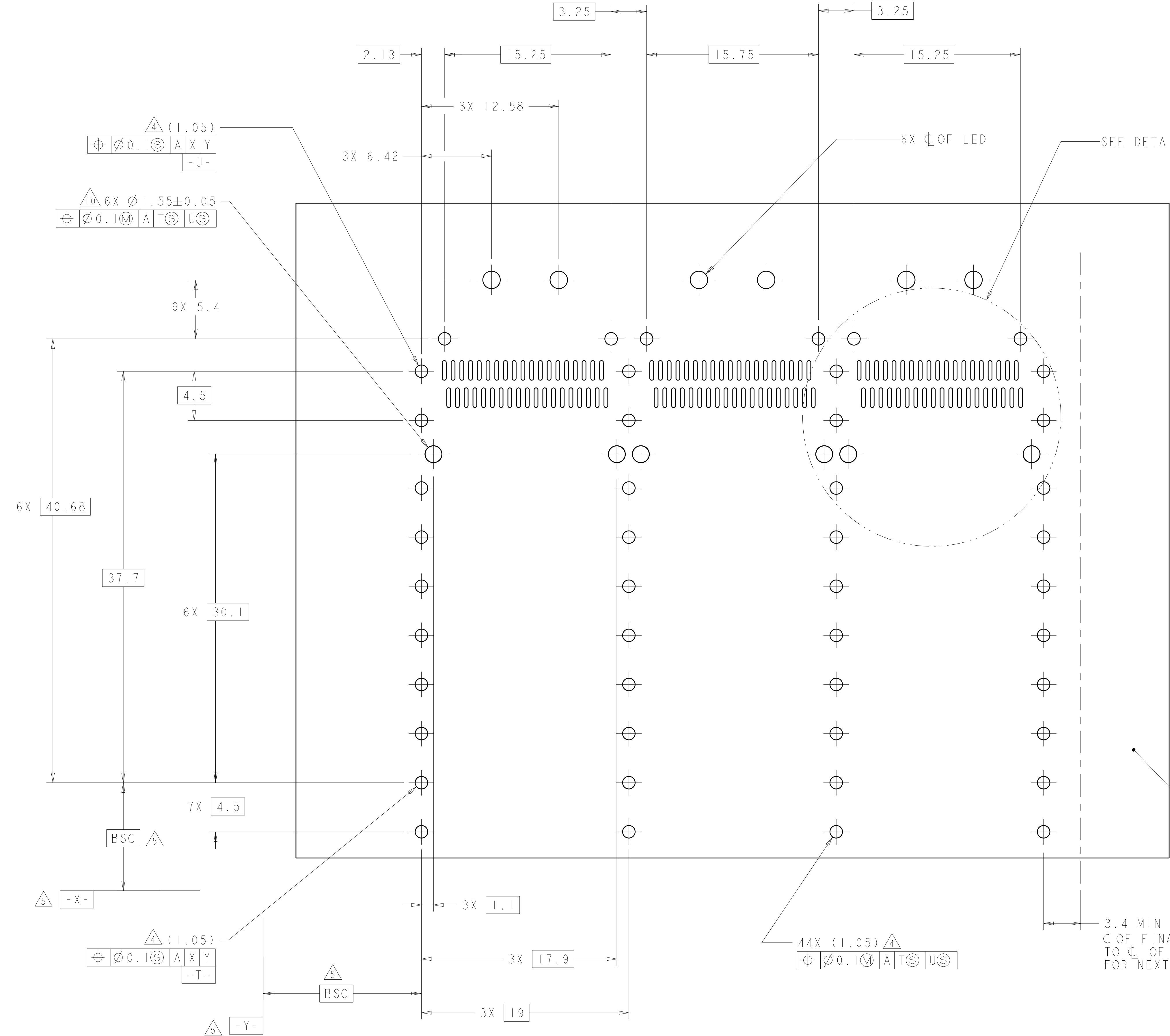
LOC		DIST		REVISIONS					
GP	00	P	LTR	DESCRIPTION			DATE	DWN	APVD
		-		SEE SHEET 1			-	-	-

D

C

B

A



DETAIL K
3 PLACES
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT
AND TRACE KEEP-OUTS
SCALE 5:1

THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 28FEB2008	 TE Connectivity	
		CHK E. BRIGHT 28FEB2008		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	RESTRICTED TO
	0 PLC ±.1			
	1 PLC ±0.1			
	2 PLC ±.1			
	3 PLC ±.			
	4 PLC ±.		SIZE	CAGE CODE
ANGLES		FINISH	DRAWING NO	
MATERIAL	WEIGHT		A100779C=2057042	
CUSTOMER DRAWING			SCALE	4:1
			SHEET	5 OF 5
			REV	F