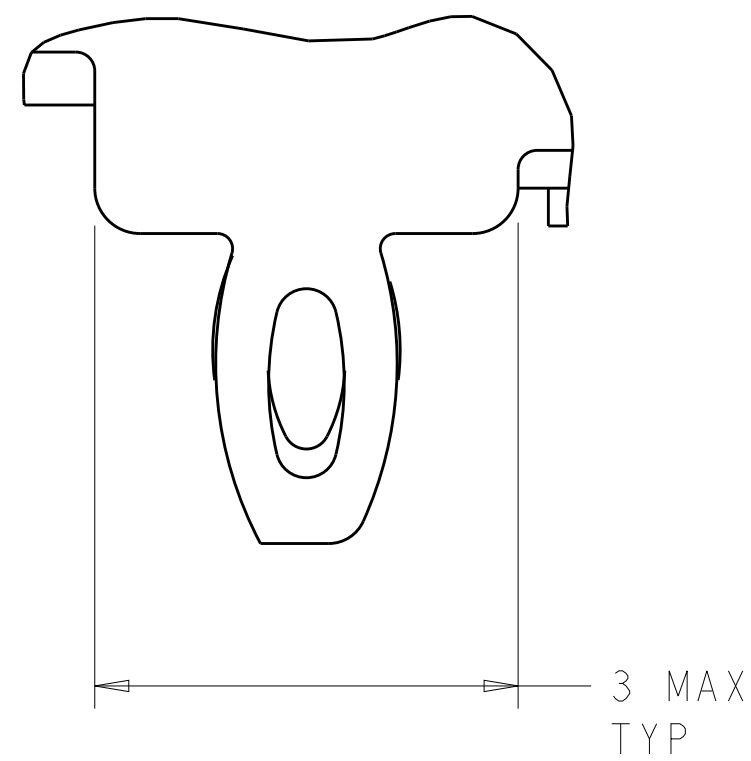


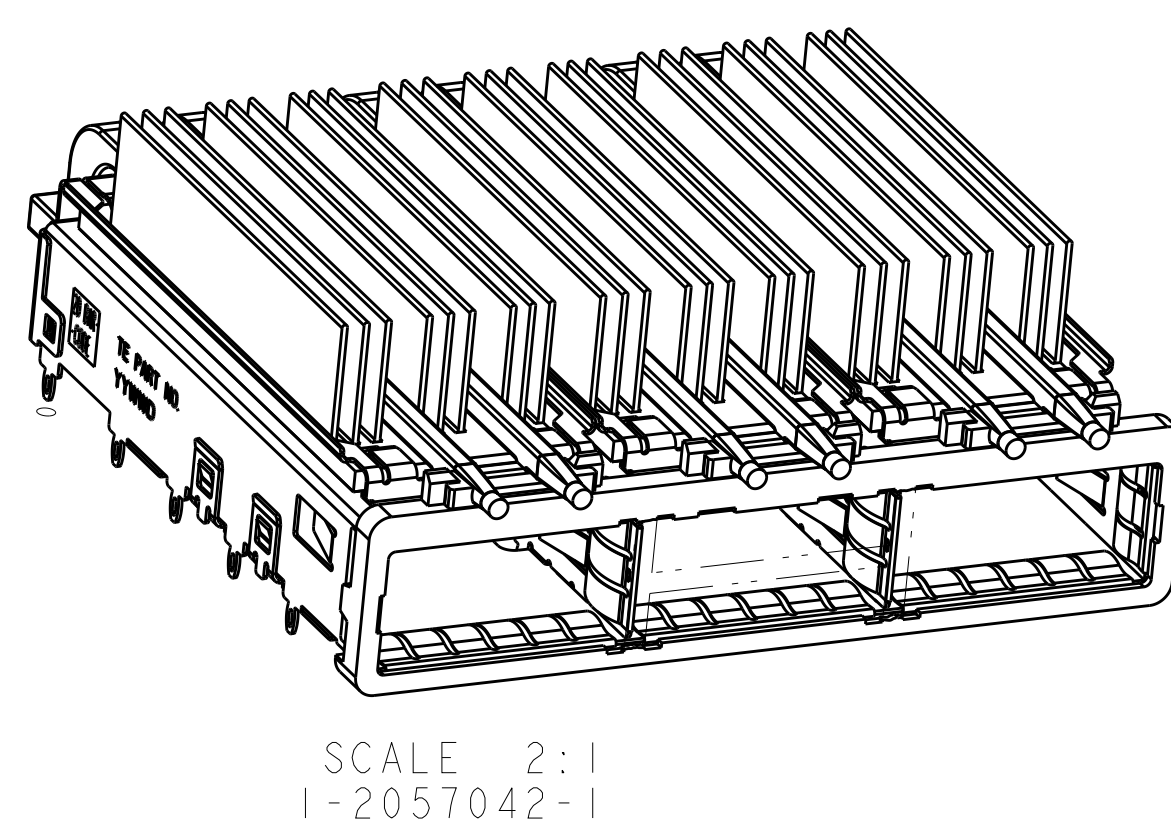
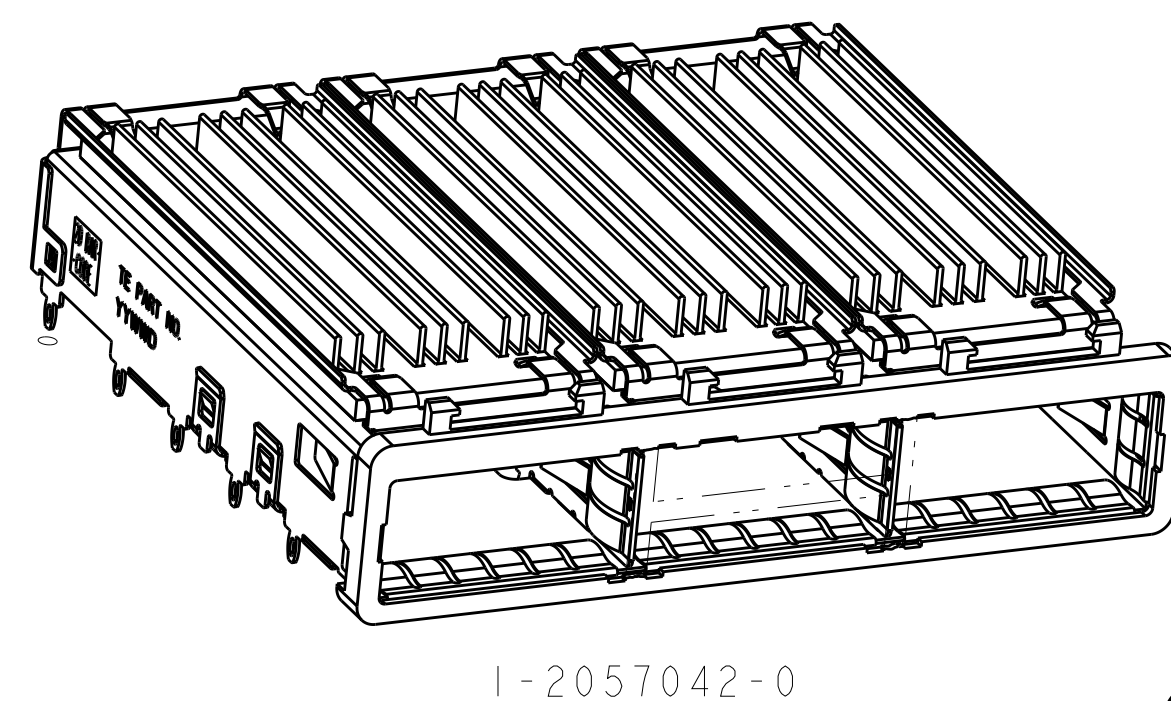
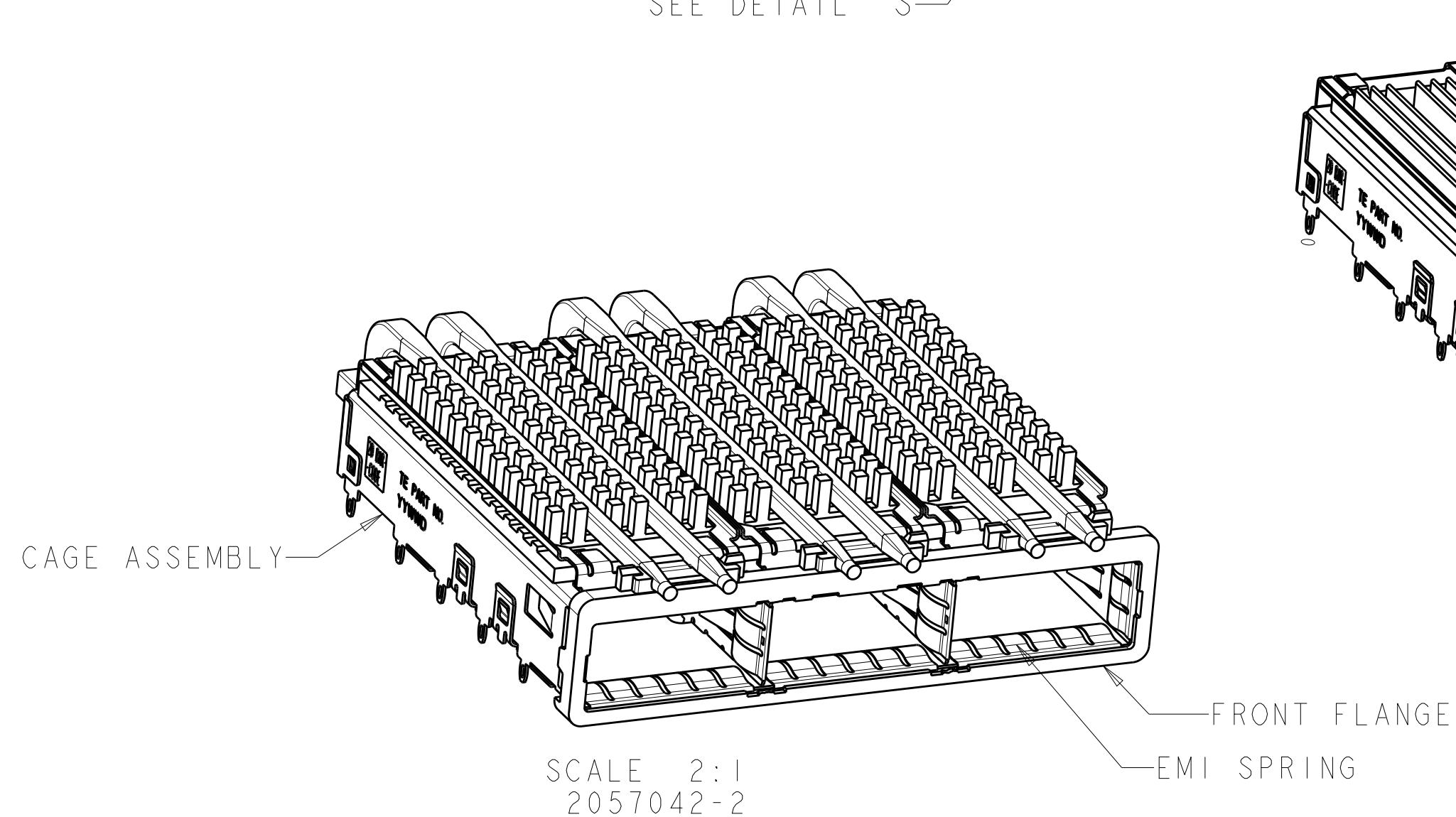
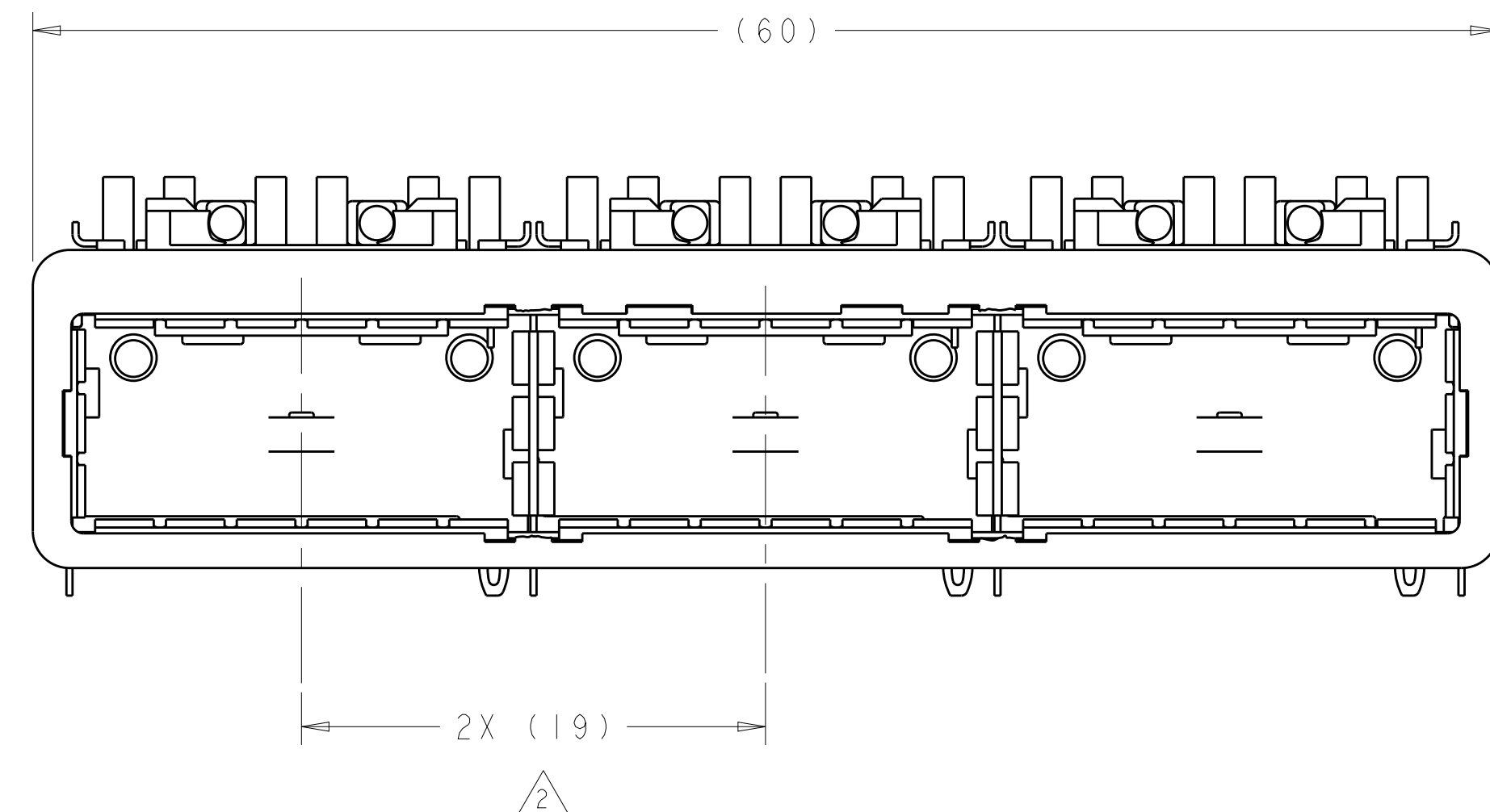
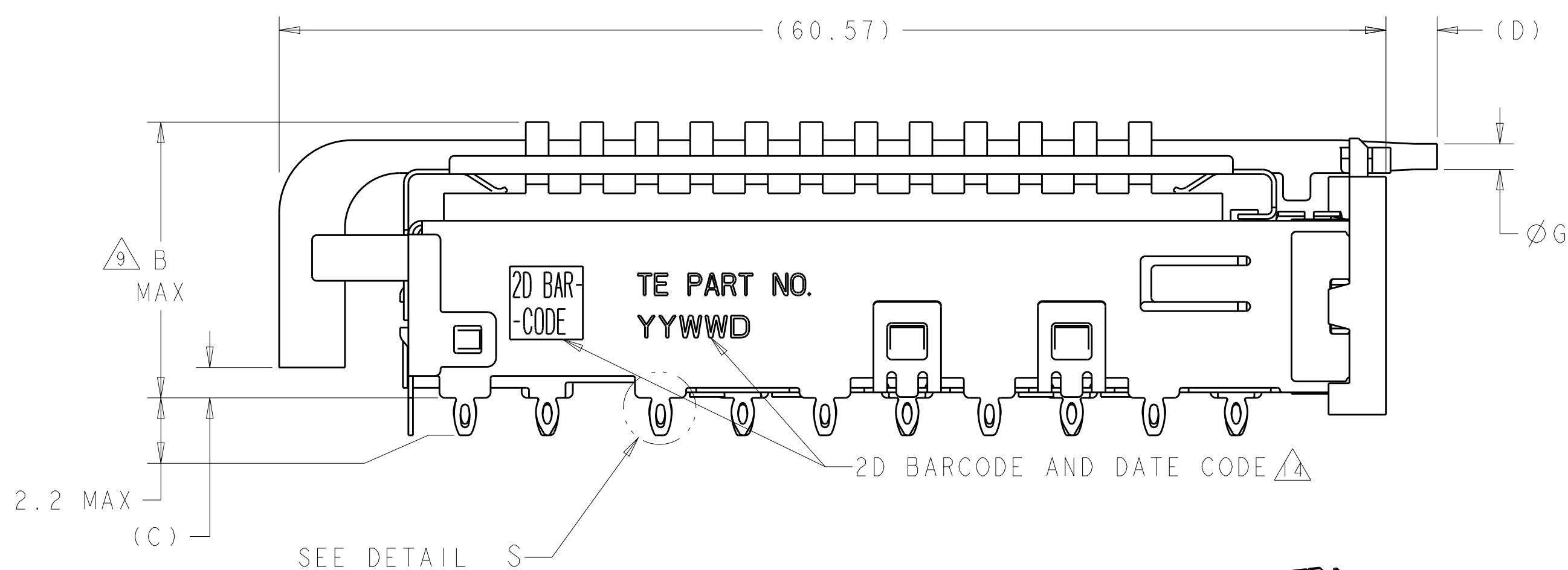
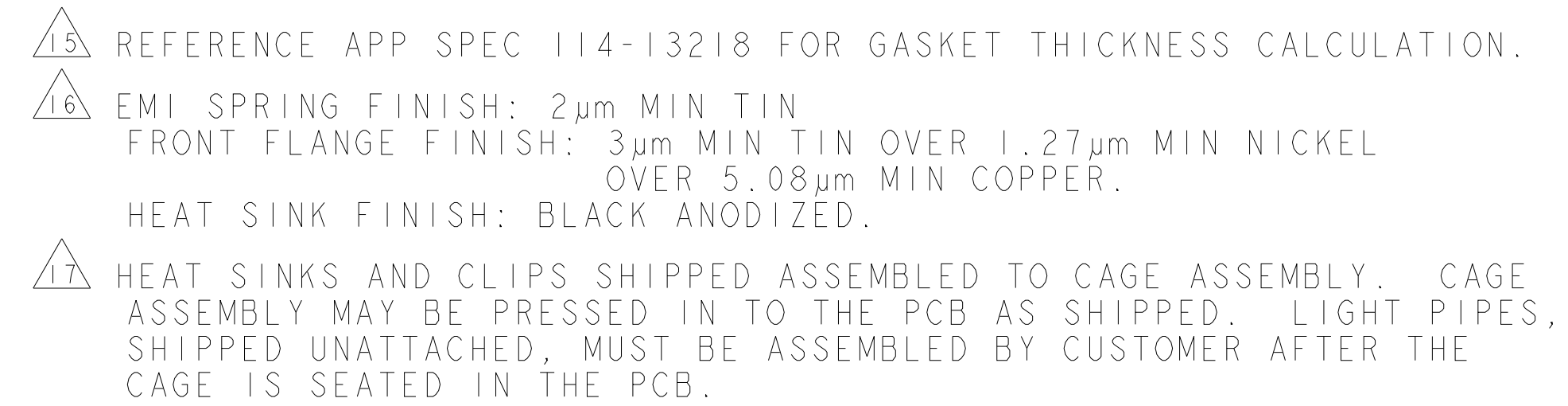
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LOC	DIST	REVISIONS						
GP	00	F	LTR	DESCRIPTION	DATE	DRN	APVD	
		C	I	REVISED PER ECO-11-004835	11MAR2011	RK	HMR	
		D		REVISED PER ECO-12-005533	31MAR2012	JY	AC	
		E		REVISED PER ECO-13-009872	26NOV2013	RG	MC	
		F		REVISED PER ECO-14-016878	30DEC2014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



DETAIL S 
SCALE 20:1

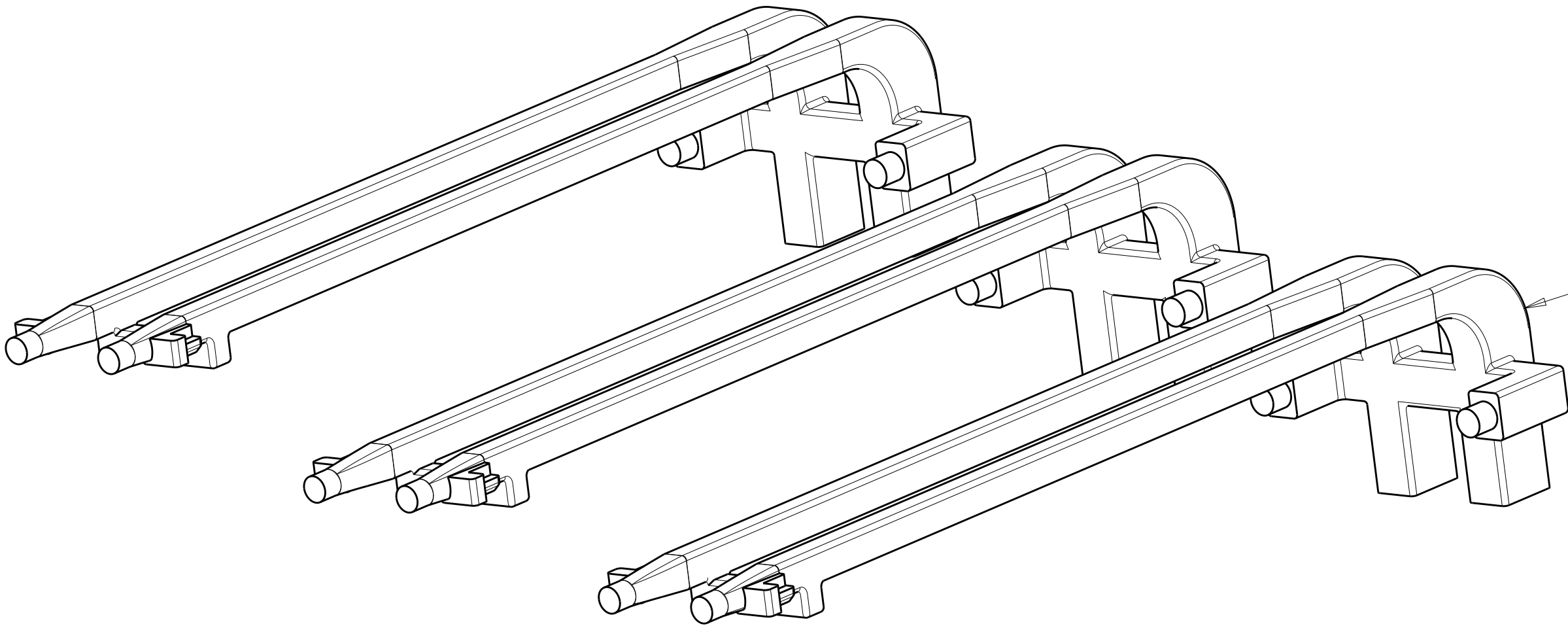
- ① CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRINGS MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
- ② PITCH BETWEEN PORTS OF ONE 1X3 CAGE ASSEMBLY.
- ③ SPACING BETWEEN 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.



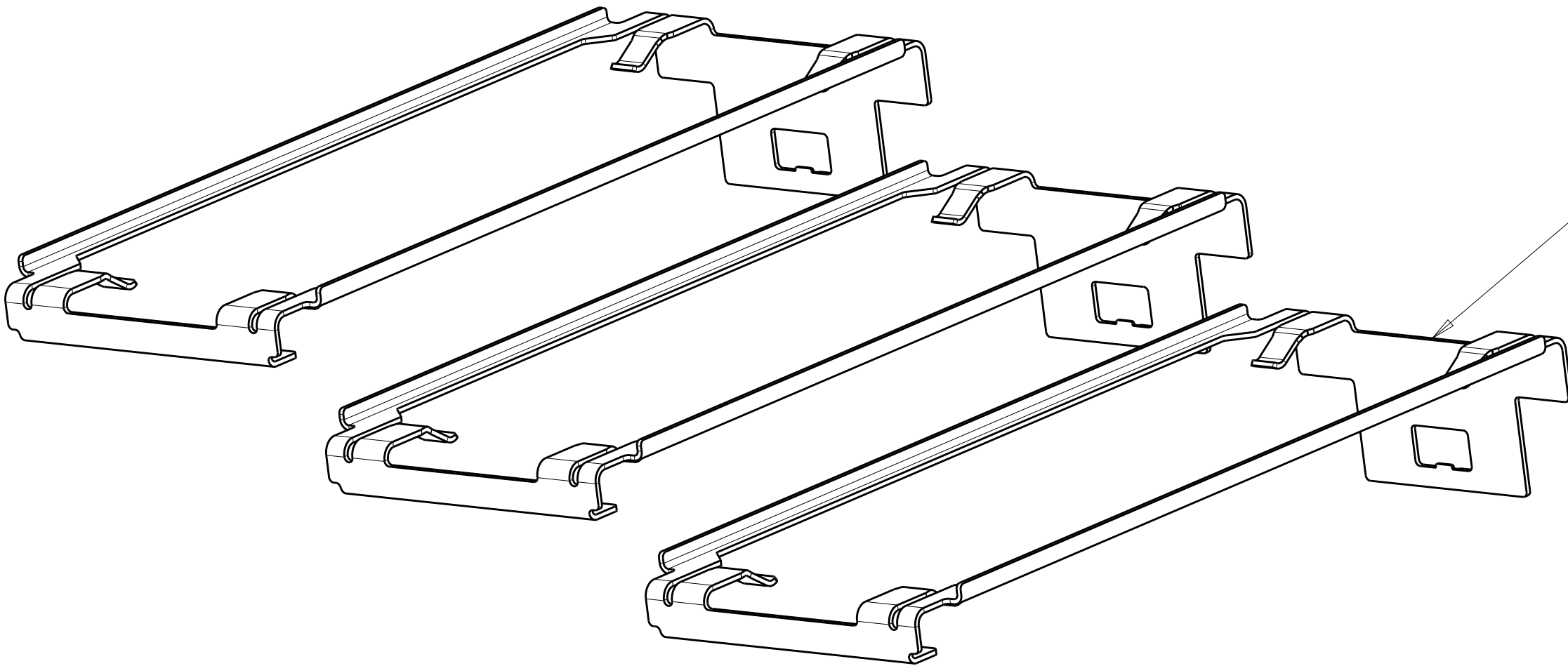
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	N/A	N/A	N/A	N/A	15.0	FIN TYPE	1-2057042-0
△	2.0	0.8-1.1	3.5	1.70	16.8	CUSTOMERIZED	2057042-9
△	1.4	0.8-1.1	2.0	1.70	23.0	NETWORKING	2057042-8
△	1.4	0.8-1.1	2.0	1.70	16.0	SAN	2057042-7
△	1.4	0.8-1.1	2.0	1.70	13.7	PCI	2057042-6
△	1.4	1.3-1.4	5.7	2.15	16.0	SAN	2057042-5
△	1.4	1.3-1.4	5.7	2.15	13.7	PCI	2057042-4
△	1.4	0.8-1.1	2.8	1.70	23.0	NETWORKING	2057042-3
△	1.4	0.8-1.1	2.8	1.70	16.0	SAN	2057042-2
△	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, QSPF					
	PRODUCT SPEC 108-2286	SIZE					
	APPLICATION SPEC 114-13218	CAGE CODE					
MATERIAL	FINISH	DRAWING NO					
		A1 00779 ©=2057042					
		RESTRICTED TO					
		SCALE					
		A1 00779 ©=2057042					
		SHEET					
		OF					
		REV F					
		CUSTOMER DRAWING					

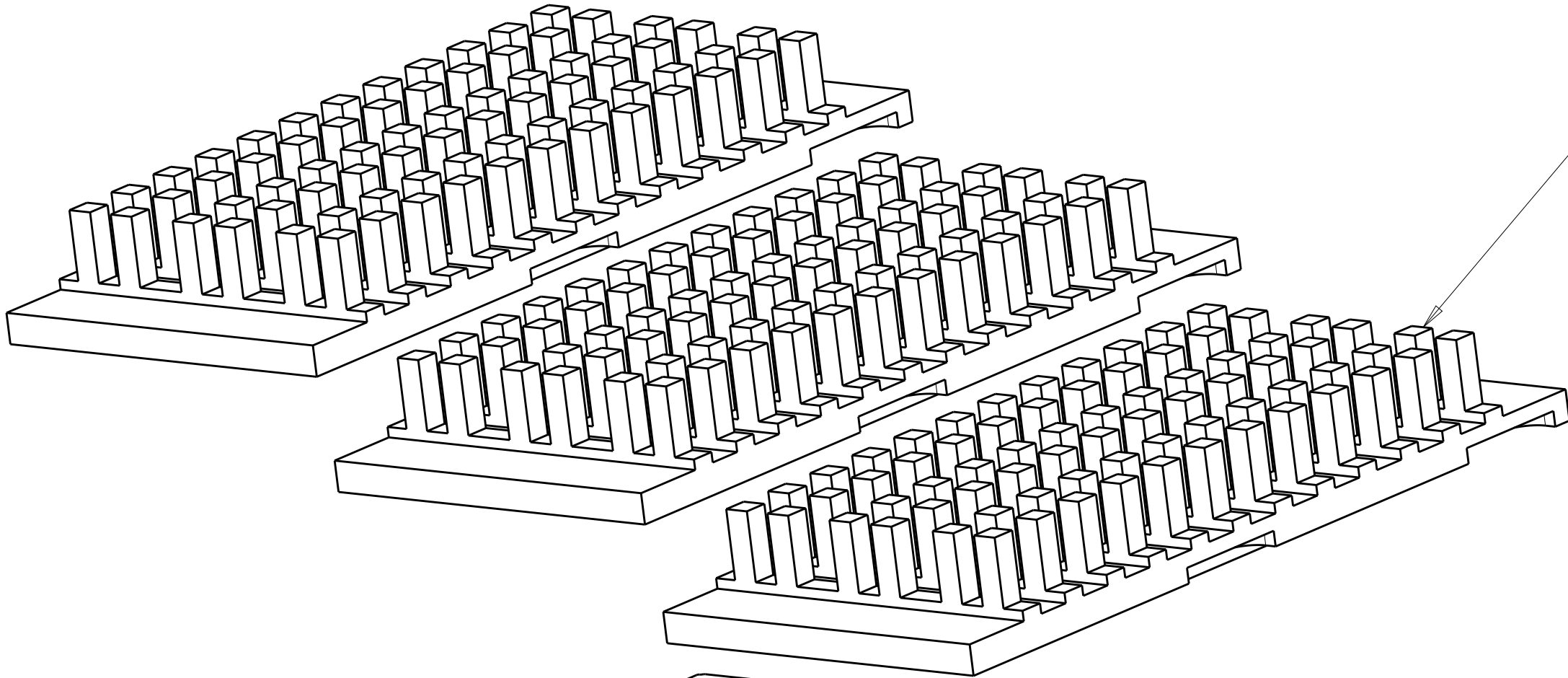
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



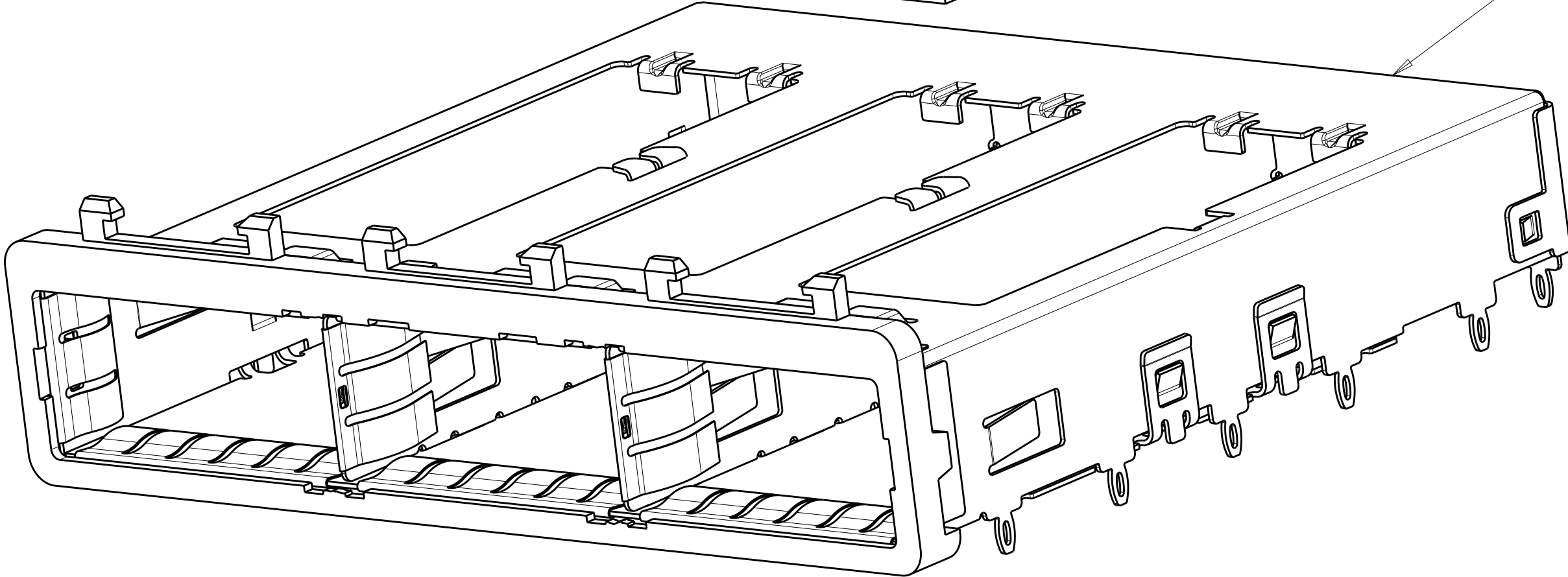
DOUBLE LIGHT PIPES
QUANTITY: 3



HEAT SINK CLIPS
QUANTITY: 3



72 PIN HEAT SINKS
QUANTITY: 3

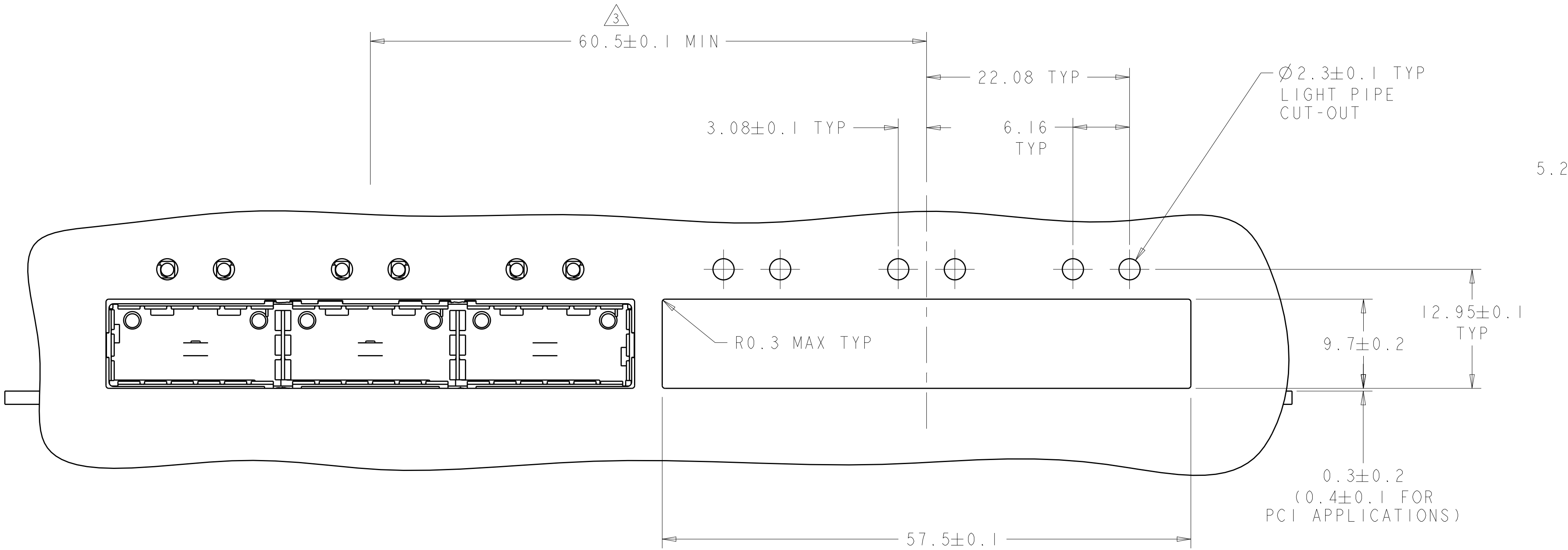


IX3 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

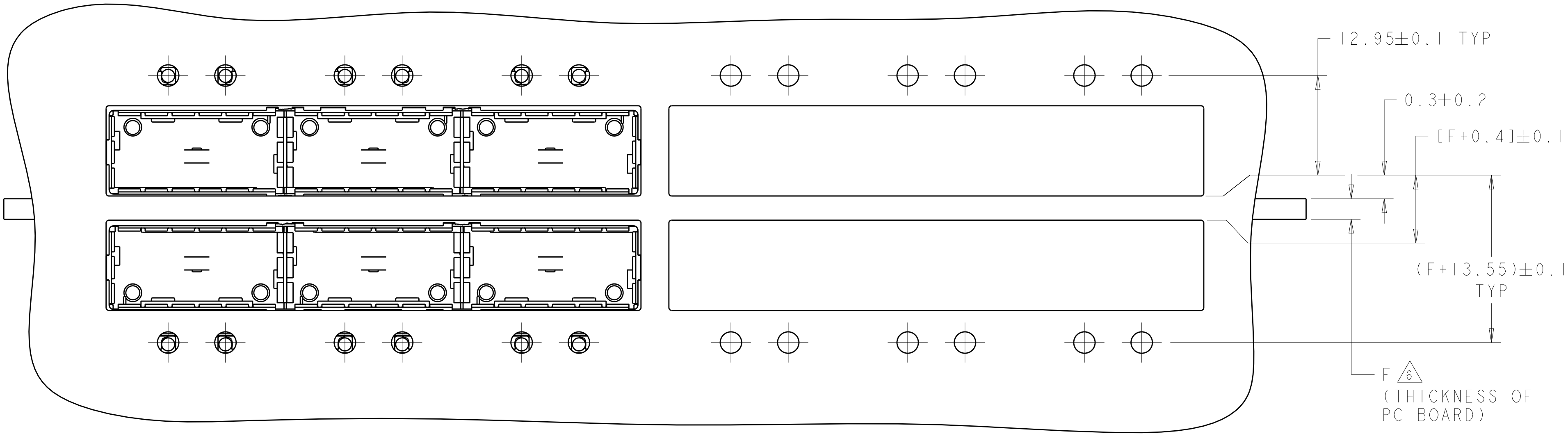
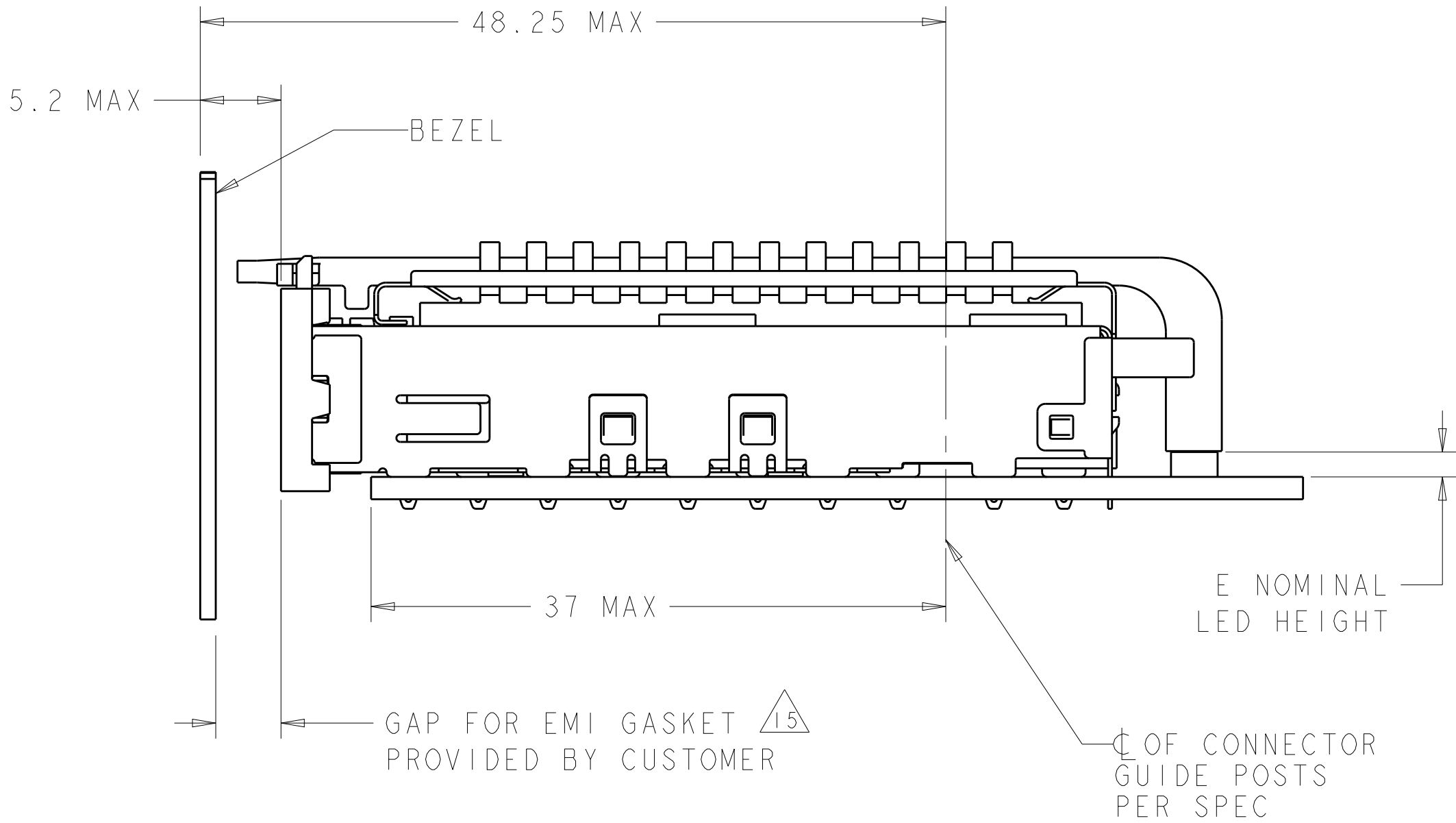
THIS PRODUCT HAS NOT COMPLETED
VALIDATION/QUALIFICATION TESTING

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		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE A1	
		0 PLC	±	CAGE CODE 00779	
		1 PLC	±0.1	DRAWING NO 2057042	
		2 PLC	±0.1	RESTRICTED TO	
		3 PLC	±	SCALE 4:1	
		4 PLC	±	SHEET 2	
		ANGLES	±	OF 5	
		FINISH	±	REV F	
MATERIAL		WEIGHT		CUSTOMER DRAWING	

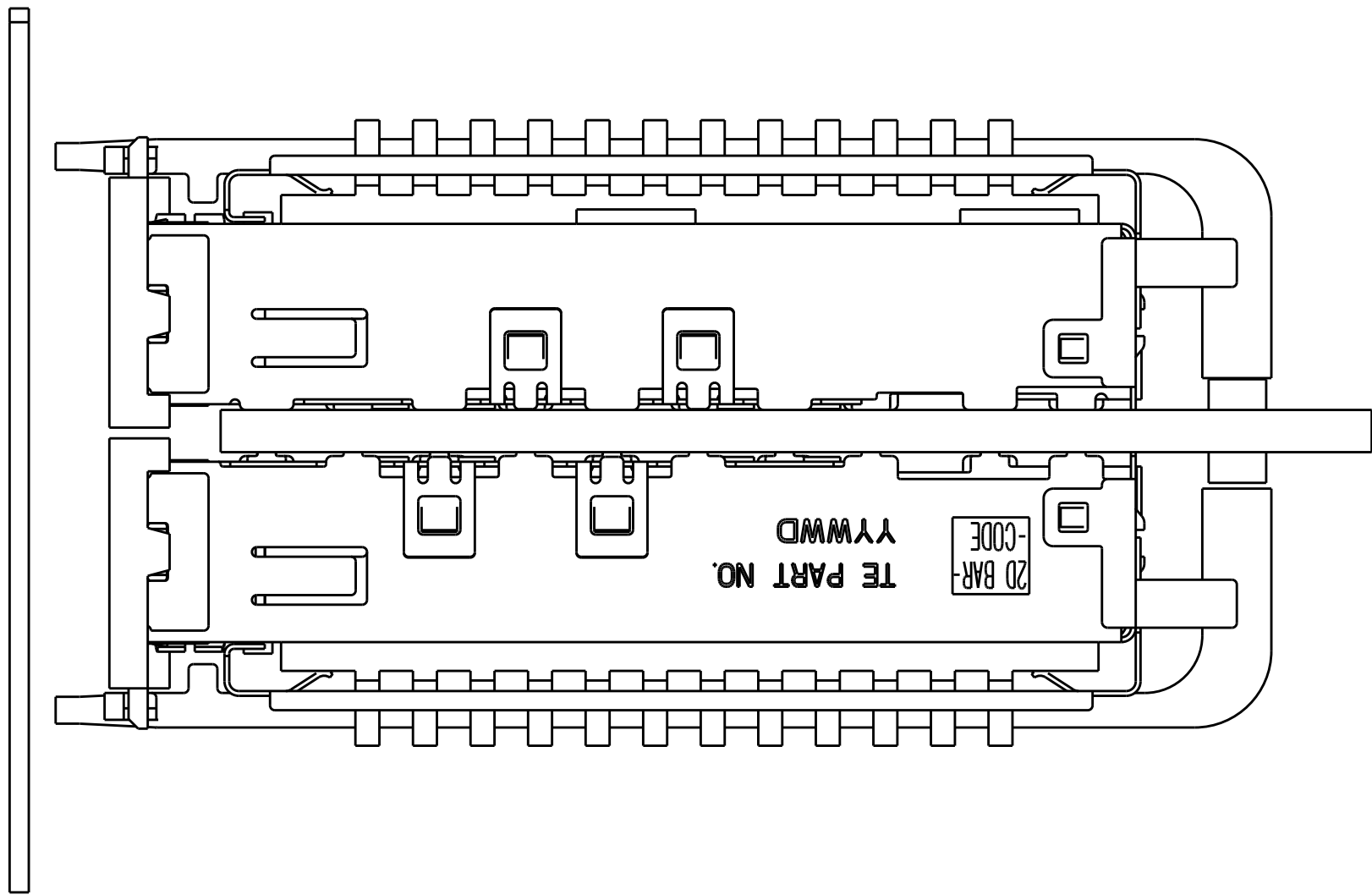
LOC		DIST		REVISIONS			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	



ONE SIDED CONFIGURATION
SCALE 3:1

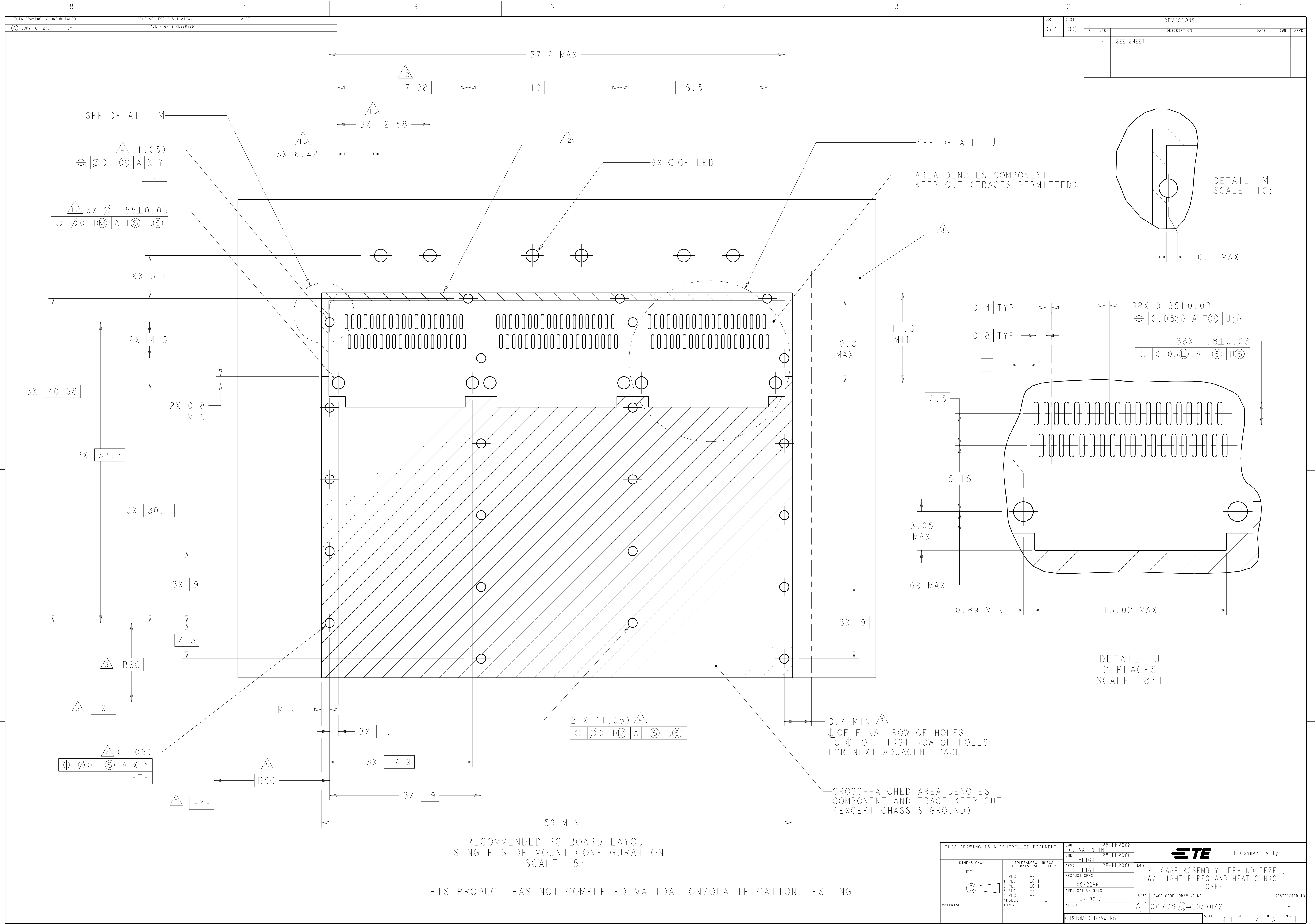


BELLY TO BELLY CONFIGURATION SIMILAR
TO ONE SIDED EXCEPT WHERE NOTED
SCALE 3:1

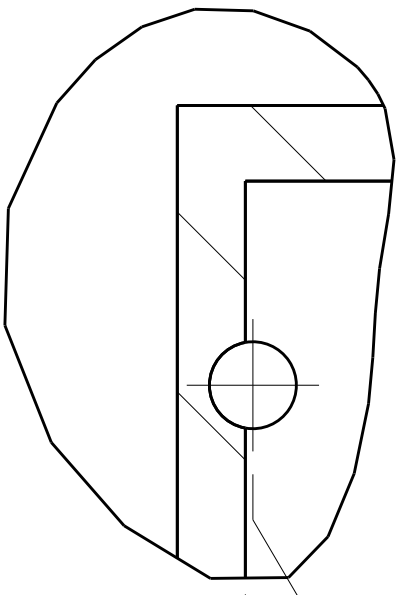


THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

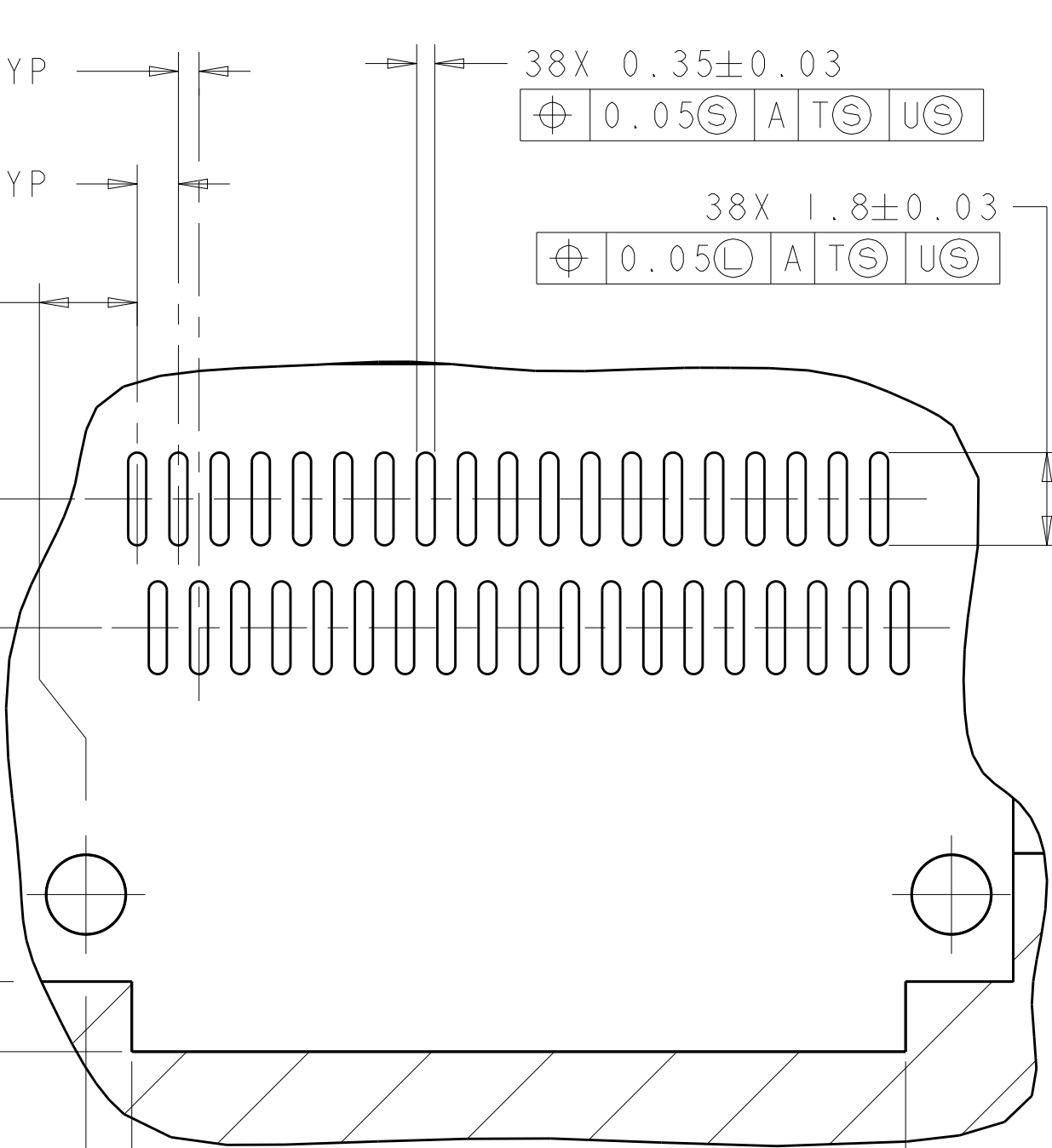
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK E. BRIGHT APVD F. BRIGHT	28FEB2008 28FEB2008 28FEB2008	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1 FINISH		1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/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



LOC		DIST		REVISONS			
GP	00	P	LYR	DESCRIPTION	DATE	DWN	APVD
		-		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	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1		1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
MATERIAL		FINISH		SIZE	
				CAGE CODE	
				DRAWING NO	
				RESTRICTED TO	
				A100779	
				C=2057042	
				SCALE	
				4:1	
				SHEET	
				4	
				OF	
				5	
				REV	
				F	

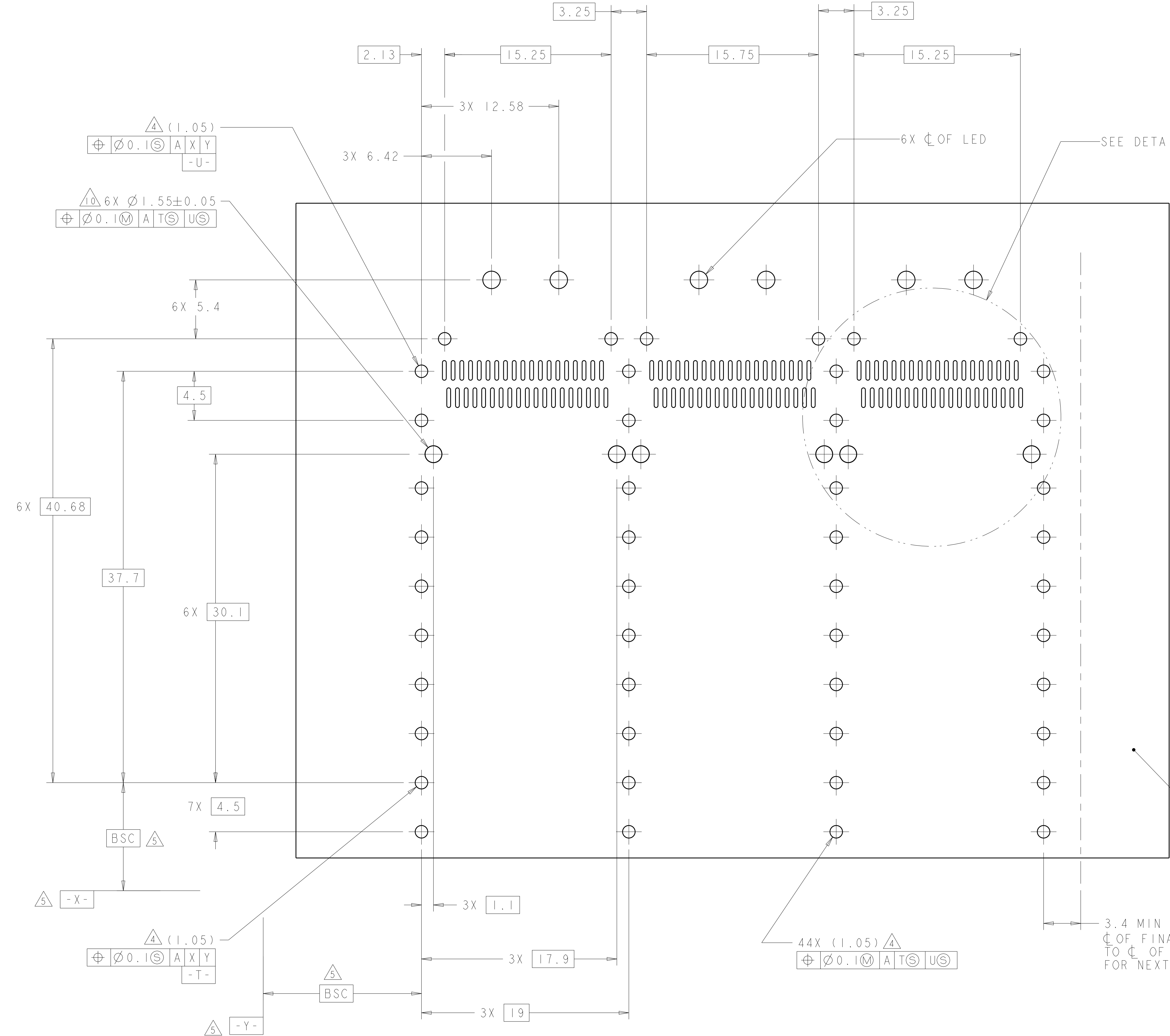
LOC		DIST		REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD		
		-		SEE SHEET 1	-	-	-		

D

C

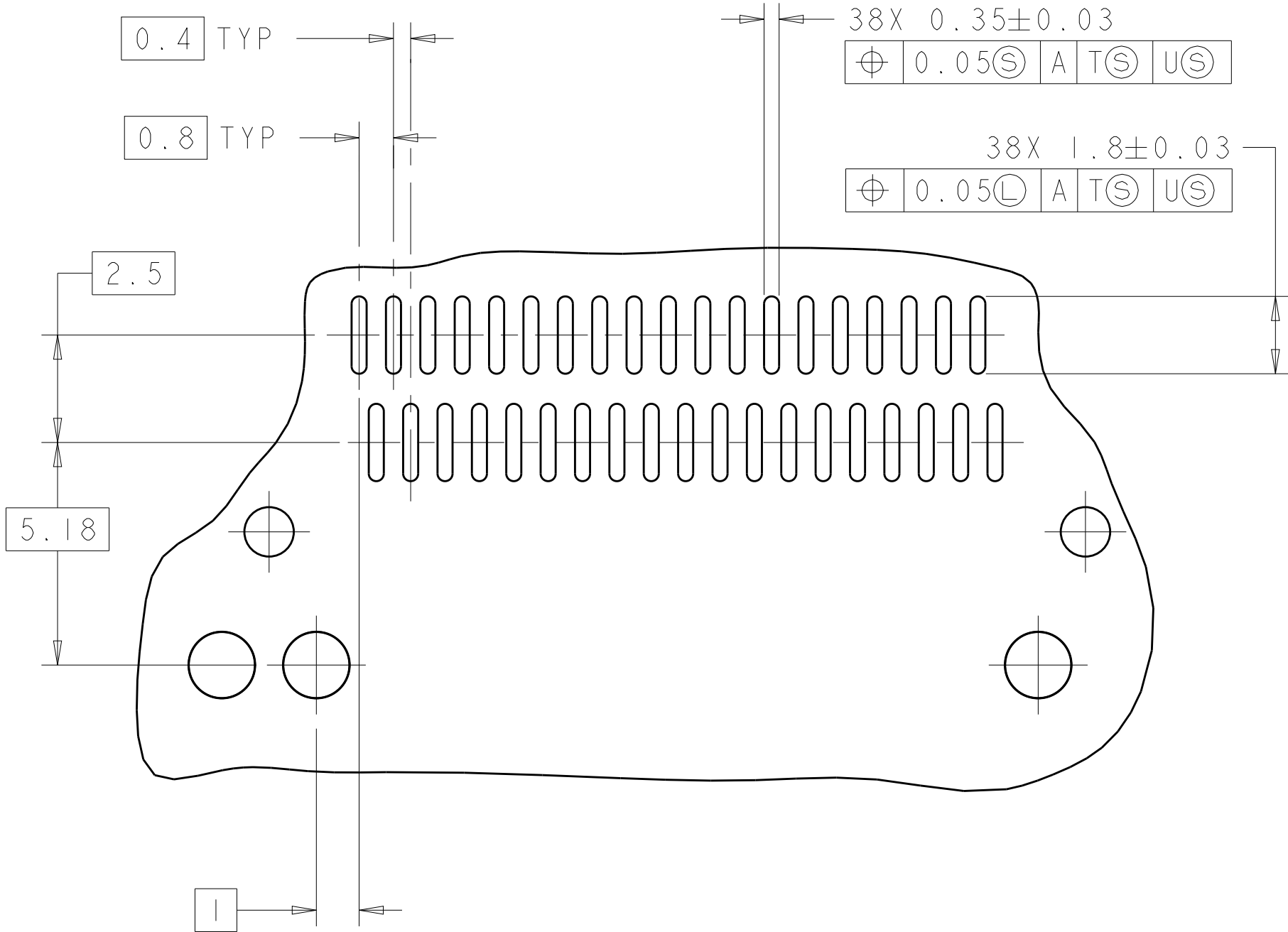
B

A



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



DETAIL K
3 PLACES
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 28FEB2008	 TE Connectivity		
DIMENSIONS:		CHK E. BRIGHT 28FEB2008			
mm		APVD F. BRIGHT 28FEB2008	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP		
		PRODUCT SPEC 108-2286	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
		APPLICATION SPEC 114-13218			
MATERIAL		FINISH	WEIGHT	A100779C=2057042	
		CUSTOMER DRAWING	SCALE 4:1 SHEET 5 OF 5 REV F		

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