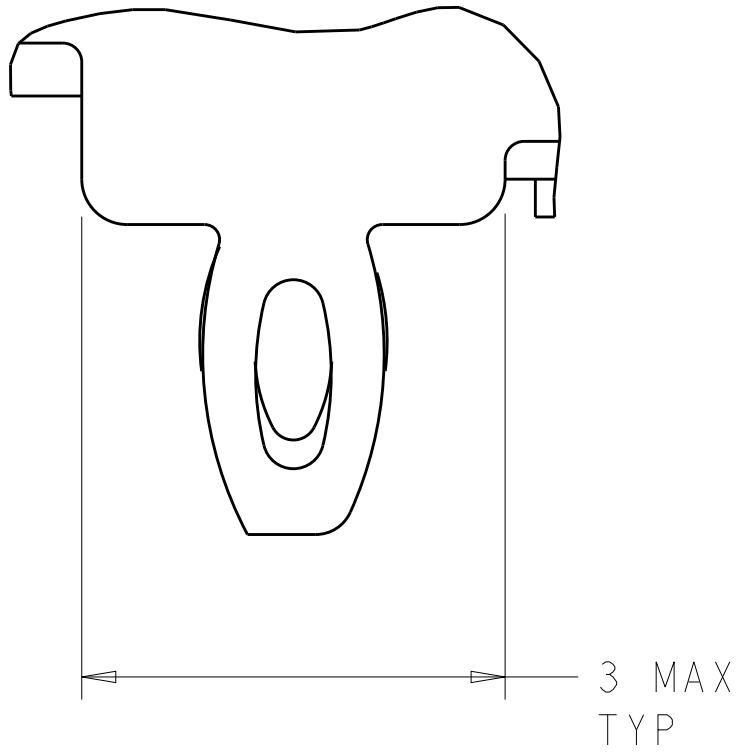


LOC	DIST	REVISIONS						
		P	LTR	DESCRIPTION	DATE	DWN	APVD	
GP	00		C1	REVISED PER ECO-11-004835	11MAR2011	RK	HMR	
			D	REVISED PER ECO-12-005533	31MAR2012	JY	AC	
			E	REVISED PER ECO-13-009872	26NOV2013	RG	MC	
			F	REVISED PER ECO-14-016878	30EC2014	RG	MC	



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

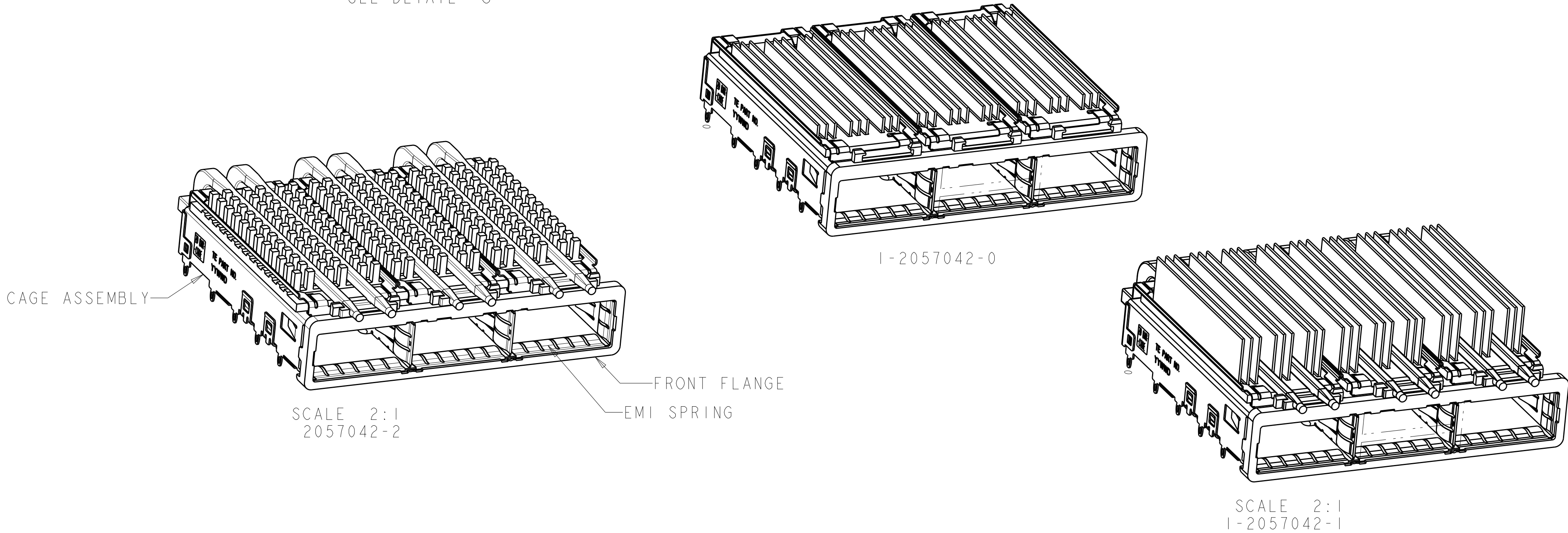
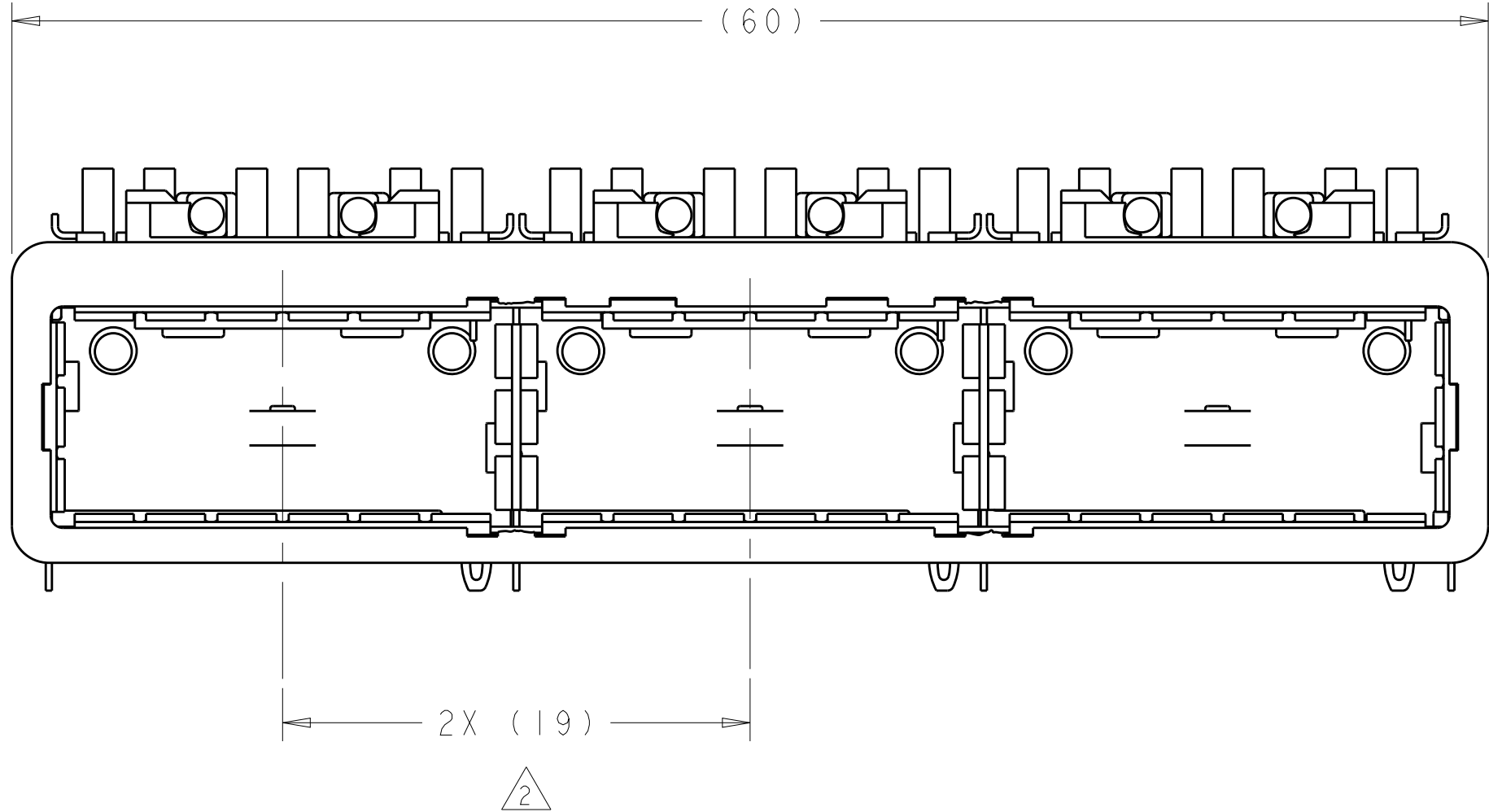
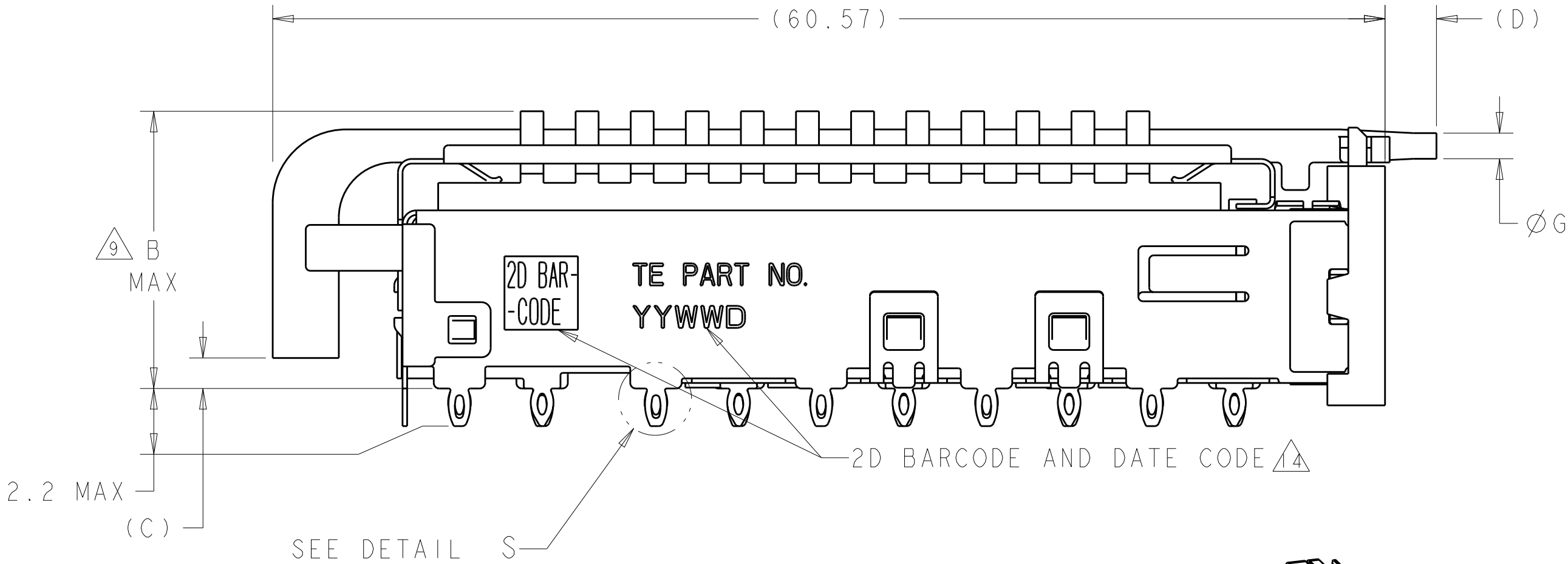
2D BARCODE AND DATE CODE (YYWWD) MARKED ON SIDE OF CAGE ASSEMBLY.

- 15

REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16

EMI SPRING FINISH: 2µm MIN TIN
FRONT FLANGE FINISH: 3µm MIN TIN OVER 1.27µm MIN NICKEL
OVER 5.08µm MIN COPPER.
HEAT SINK FINISH: BLACK ANODIZED.
- 17

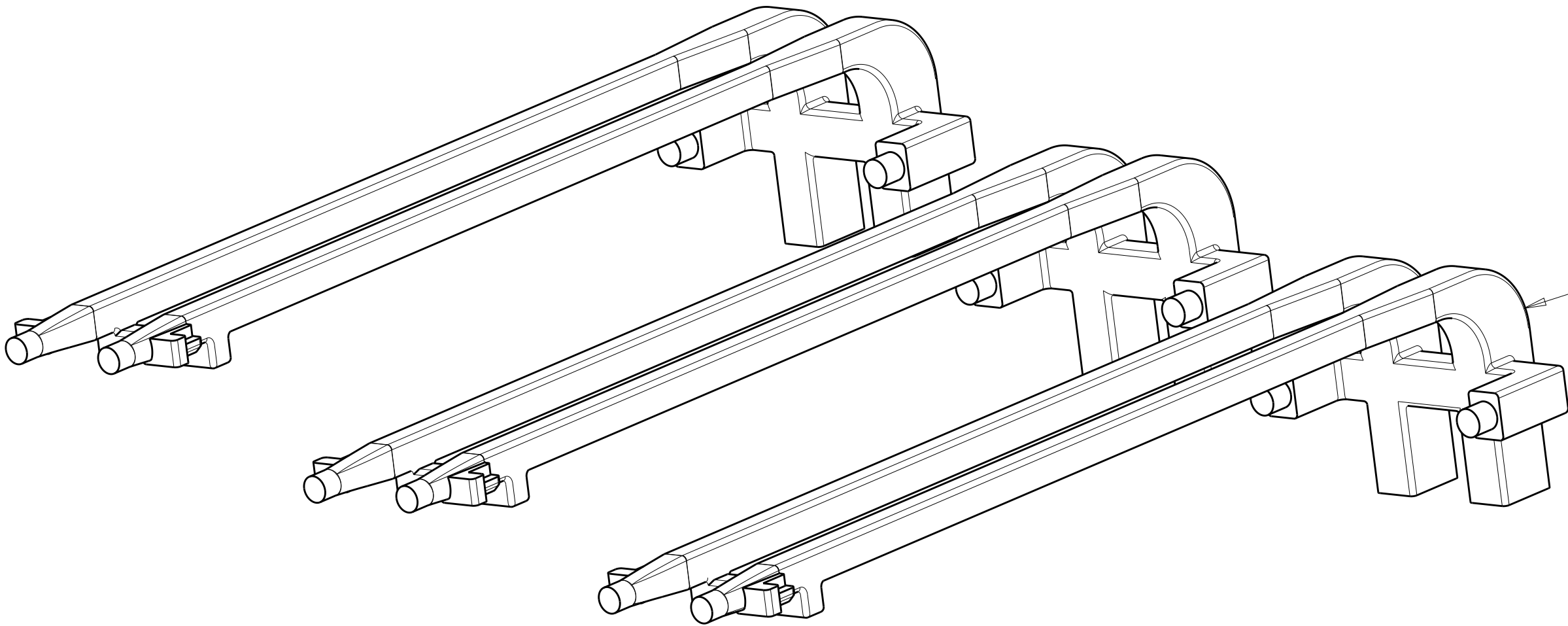
HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED IN TO THE PCB AS SHIPPED. LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED IN THE PCB.



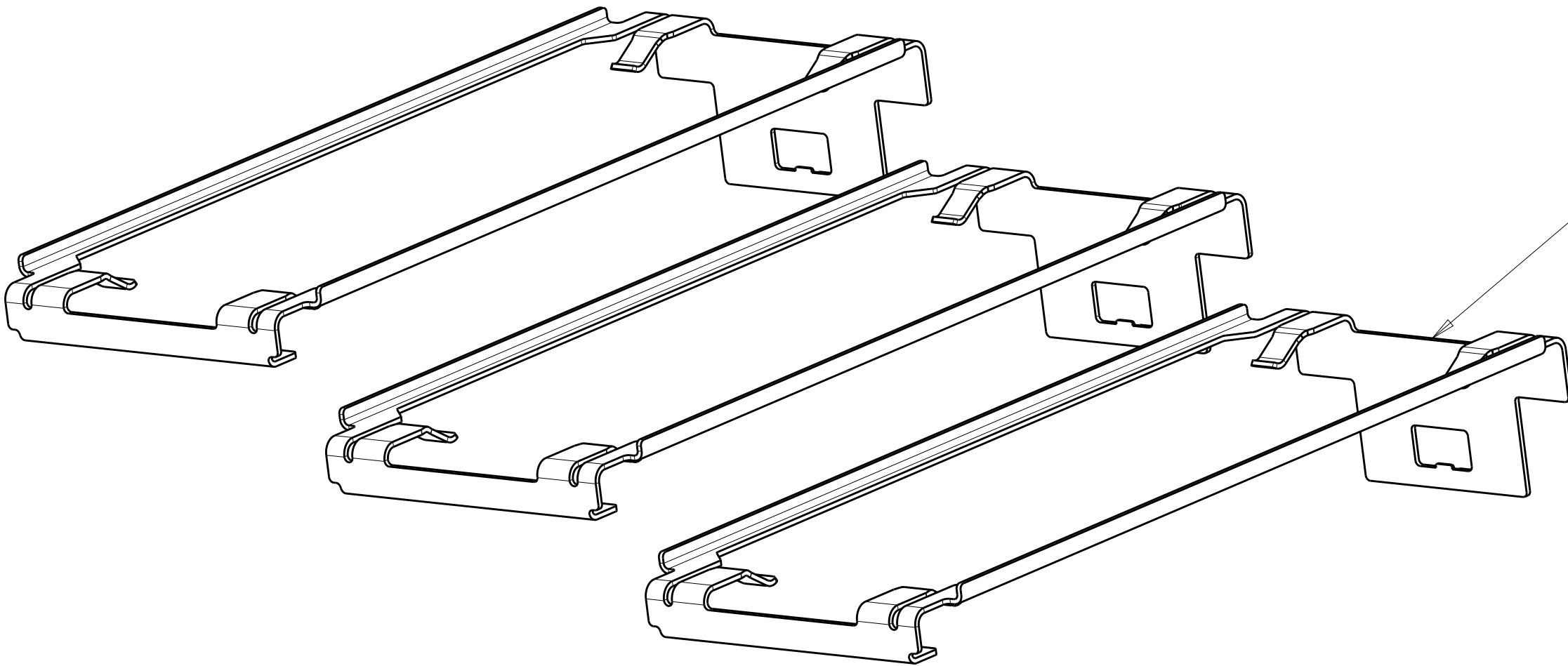
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	N/A	N/A	N/A	N/A	15.0	FIN TYPE	1-2057042-0
7	2.0	0.8-1.1	3.5	1.70	16.8	CUSTOMERIZED	2057042-9
1	1.4	0.8-1.1	2.0	1.70	23.0	NETWORKING	2057042-8
7	1.4	0.8-1.1	2.0	1.70	16.0	SAN	2057042-7
7	1.4	0.8-1.1	2.0	1.70	13.7	PCI	2057042-6
7	1.4	1.3-1.4	5.7	2.15	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. VALENTIN CHK E. BRIGHT APVD F. BRIGHT	28FEB2008 28FEB2008 28FEB2008
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1	
MATERIAL		FINISH	
		16	
CUSTOMER DRAWING		NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
		SIZE A1	
		CAGE CODE 00779	
		DRAWING NO 2057042	
		RESTRICTED TO -	
		SCALE 4:1	
		SHEET 1	
		OF 5	
		REV F	

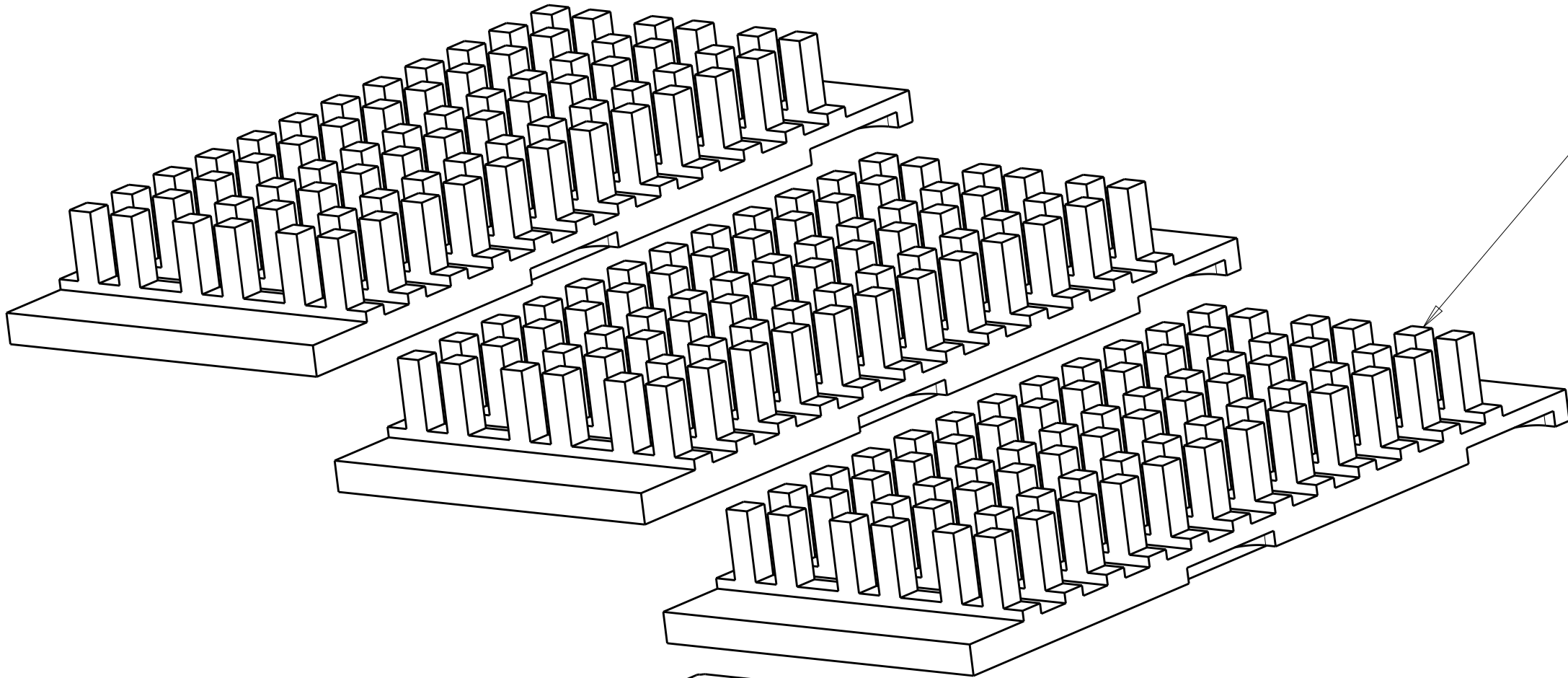
LOC		DIST		REVISIONS						
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD	
				-	-	SEE SHEET 1	-	-	-	



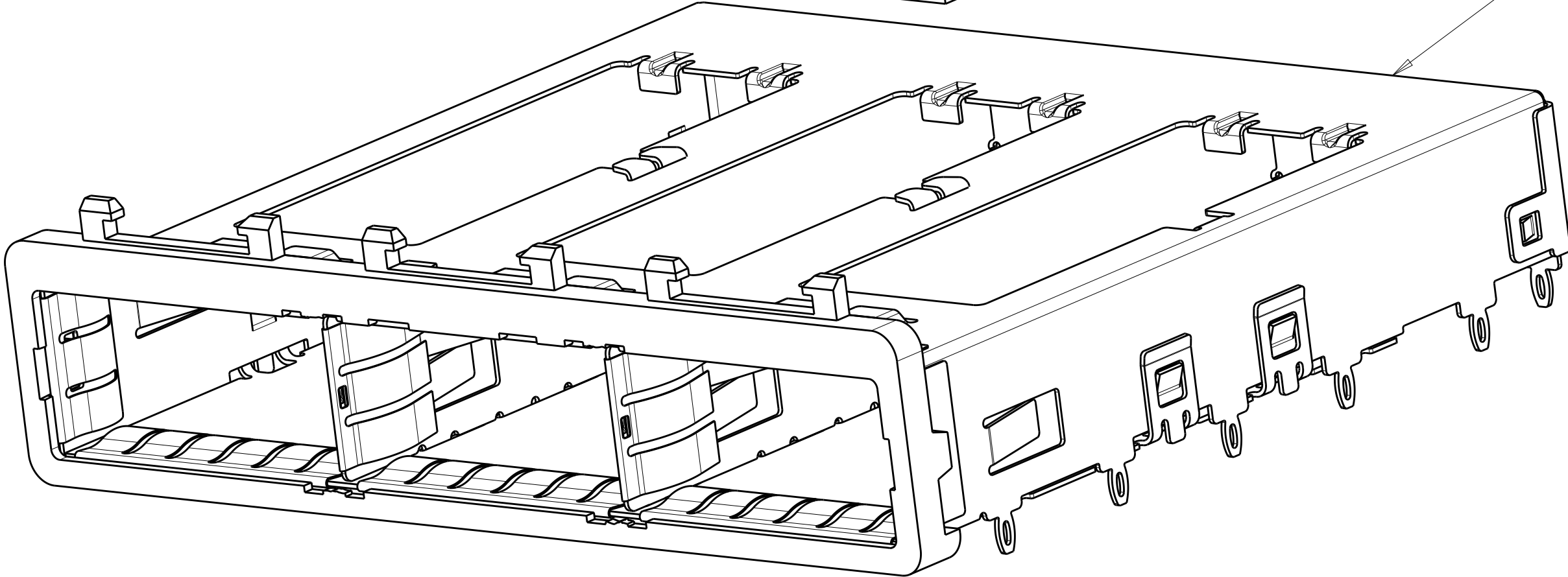
DOUBLE LIGHT PIPES
QUANTITY: 3



HEAT SINK CLIPS
QUANTITY: 3



72 PIN HEAT SINKS
QUANTITY: 3

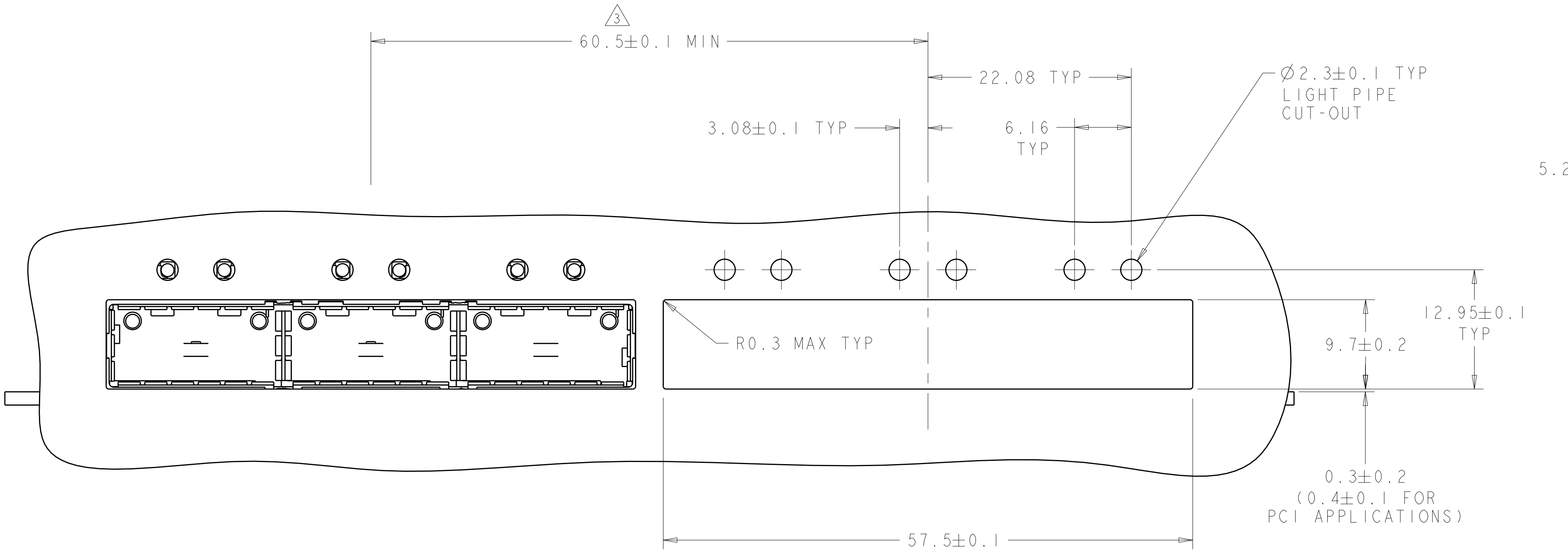


IX3 BEHIND BEZEL QSFP
CAGE ASSEMBLY
QUANTITY: 1

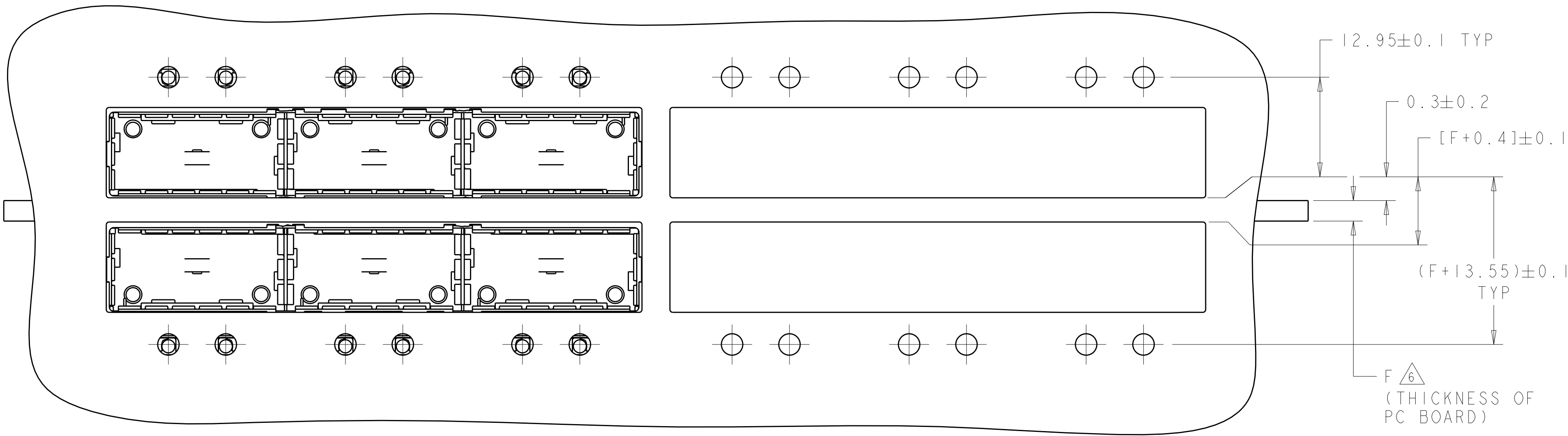
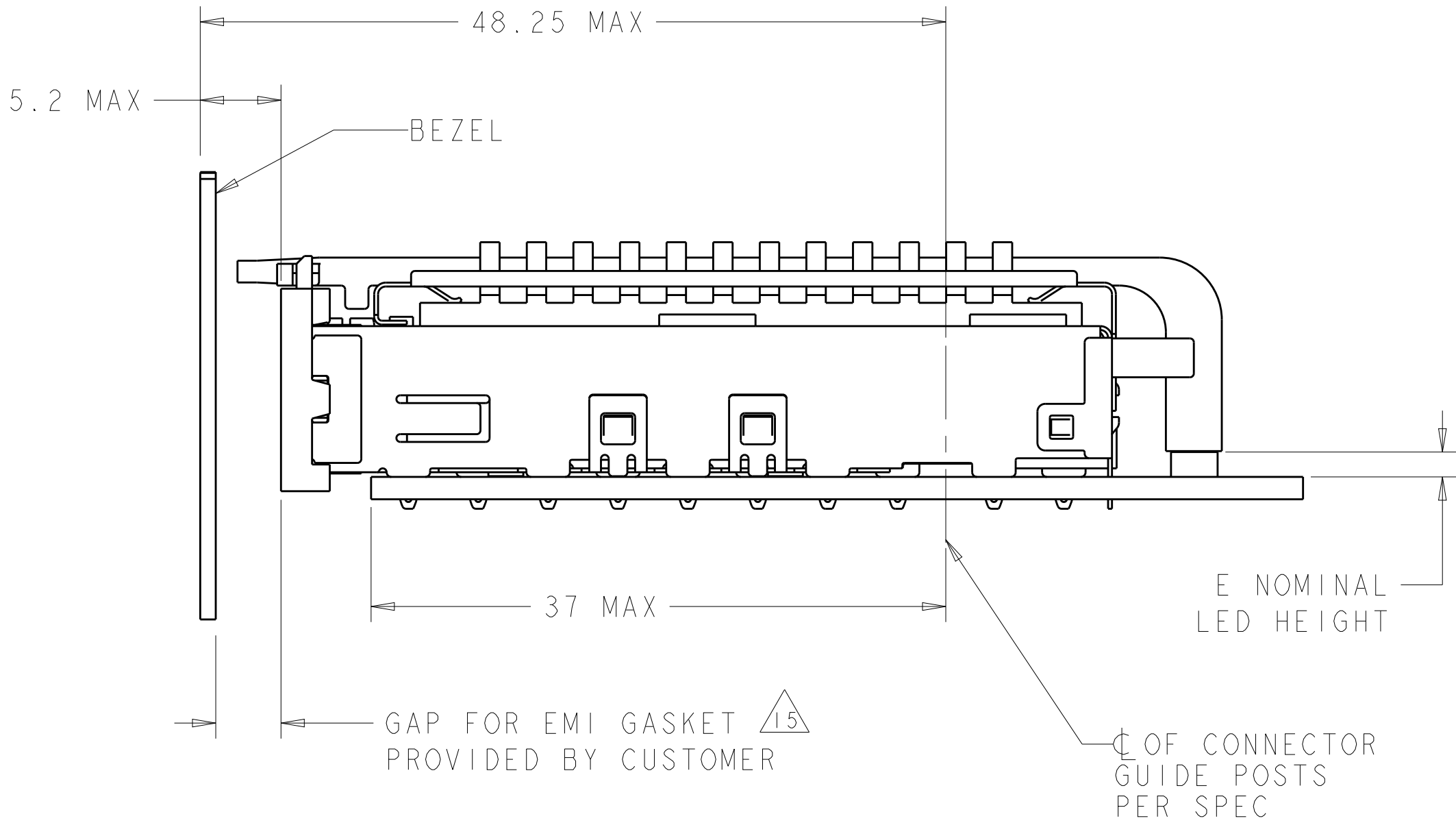
THIS PRODUCT HAS NOT COMPLETED
VALIDATION/QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	C. VALENTIN	28FEB2008	TE Connectivity			
				CHK	E. BRIGHT	28FEB2008				
				APVD	F. BRIGHT	28FEB2008	NAME			
				PRODUCT SPEC			IX3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP			
				APPLICATION SPEC			SIZE			
				WEIGHT			A100779C=2057042			
				CUSTOMER DRAWING			RESTRICTED TO			
							SCALE			
							4:1			
							SHEET			
							2			
							OF			
							5			
							REV			
							F			

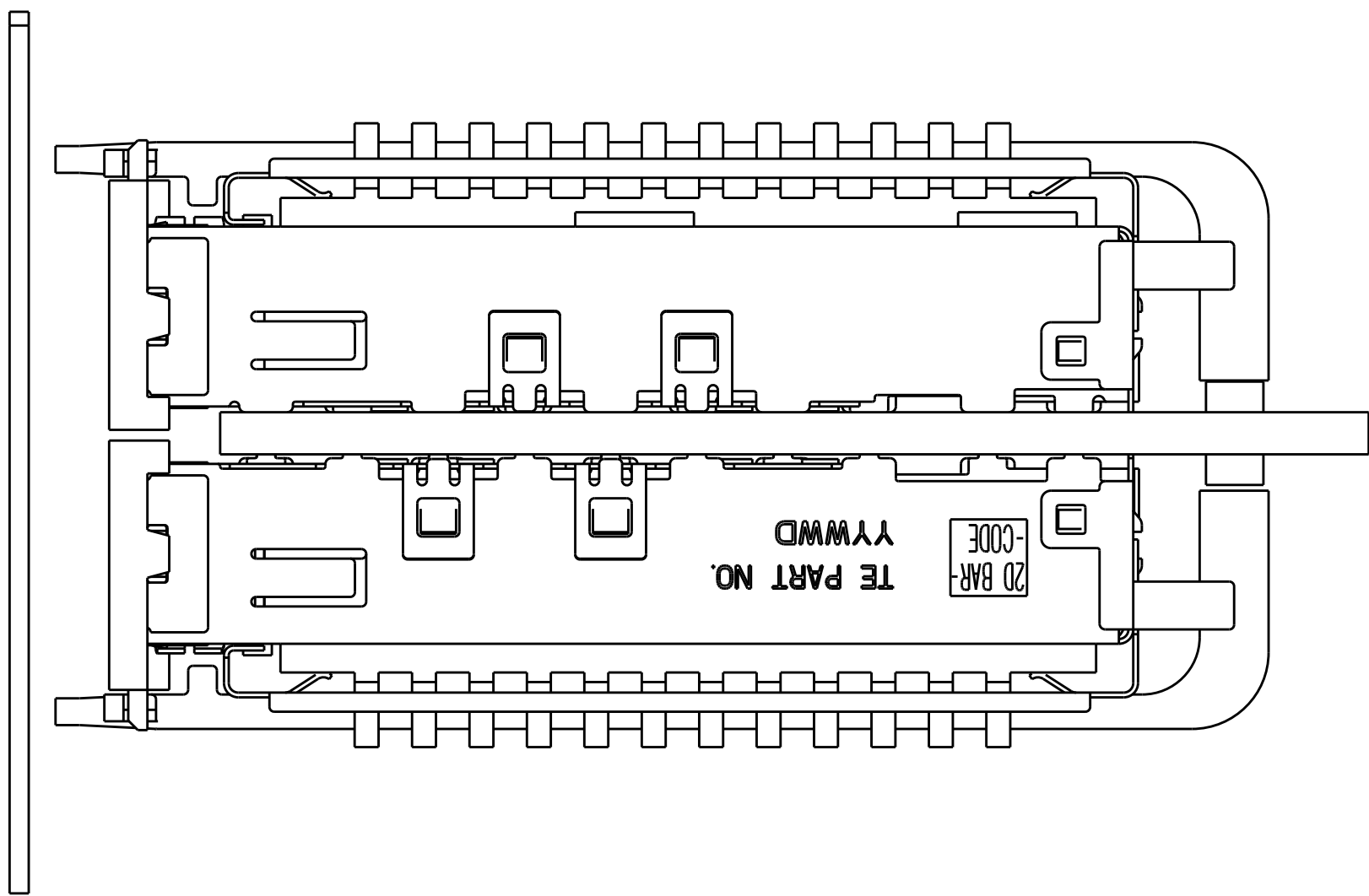
LOC		DIST		REVISIONS			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	



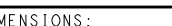
ONE SIDED CONFIGURATION
SCALE 3:1

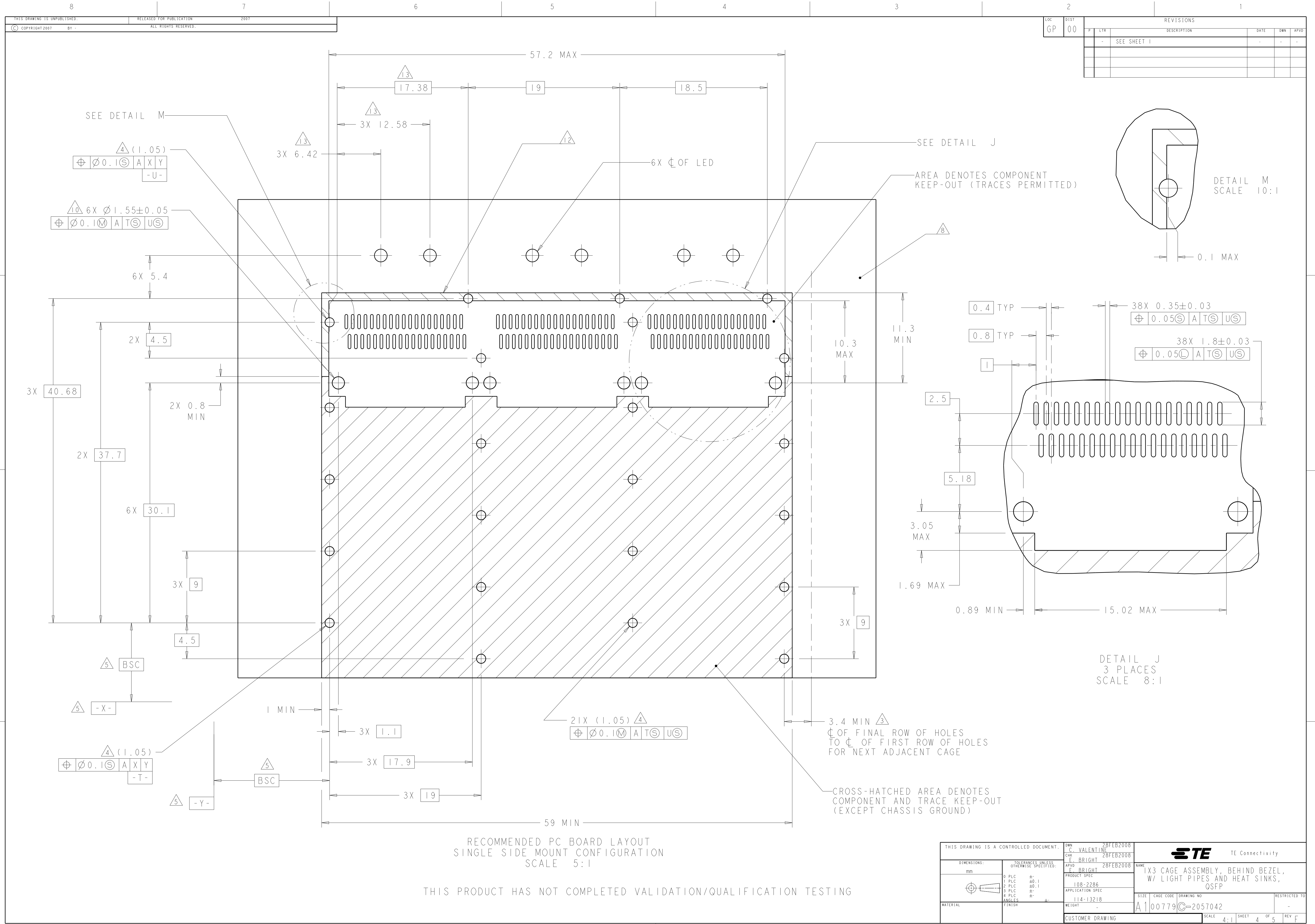


BELLY TO BELLY CONFIGURATION SIMILAR
TO ONE SIDED EXCEPT WHERE NOTED
SCALE 3:1

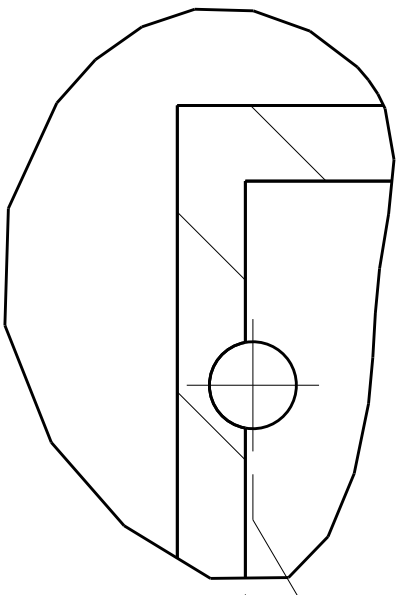


THIS PRODUCT HAS NOT COMPLETED VALIDATION/QUALIFICATION TESTING

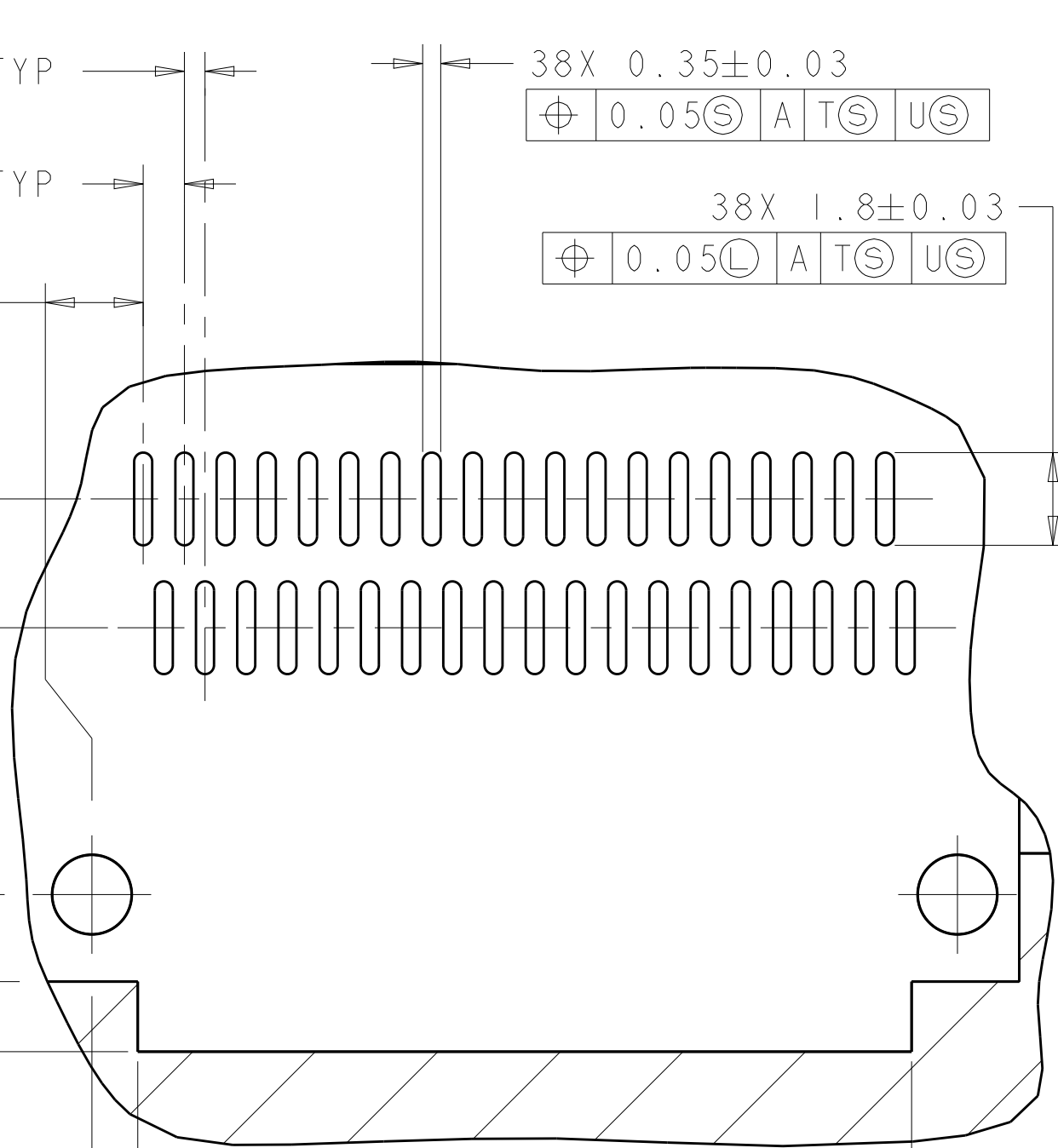
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 28FEB2008	 TE Connectivity	
		CHK E. BRIGHT 28FEB2008		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±.1 4 PLC ±.1 ANGLES ±.1 FINISH	NAME IX3 CAGE ASSEMBLY, BEHIND BEZEL, W/ LIGHT PIPES AND HEAT SINKS, QSFP	
			SIZE A1	
MATERIAL		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218 WEIGHT -	CAGE CODE 00779	
			DRAWING NO 2057042	
CUSTOMER DRAWING				
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

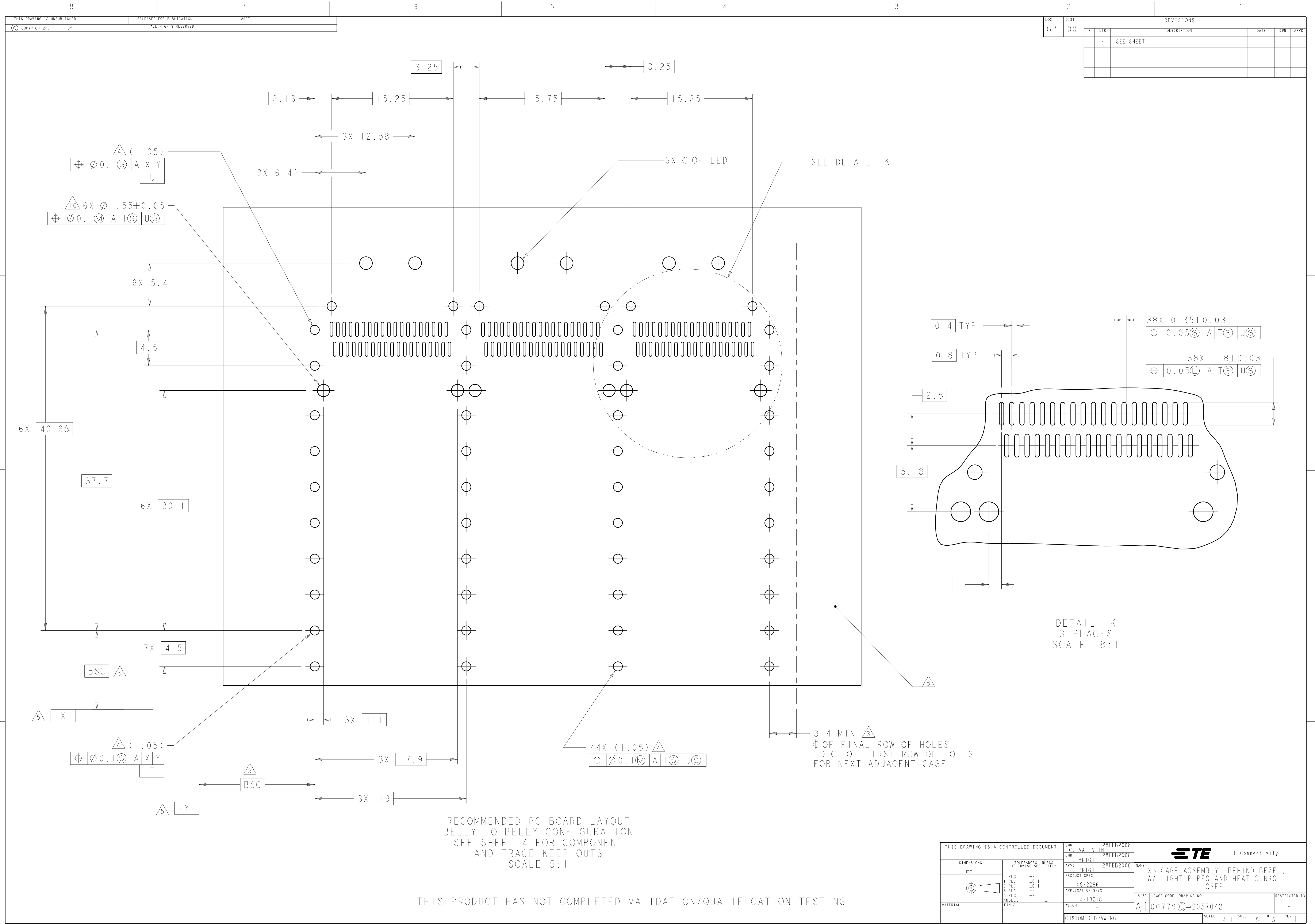


DETAIL J
3 PLACES
SCALE 8:1

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		REVISONS				
GP	00	P	LTR	DESCRIPTION		DATE	DWN	APVD
		-		SEE SHEET 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

DETAIL K
3 PLACES
SCALE 8:1

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.