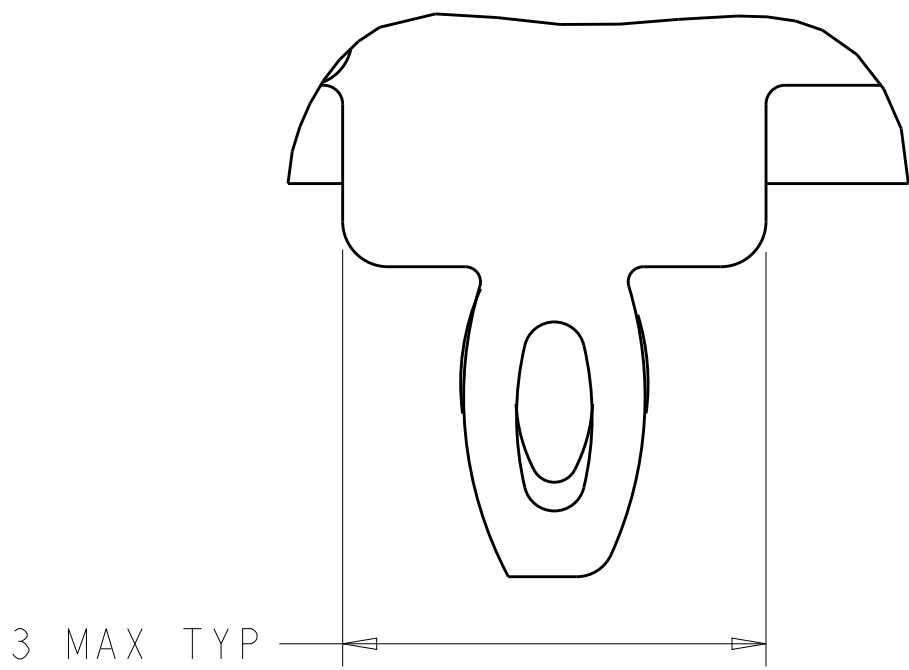


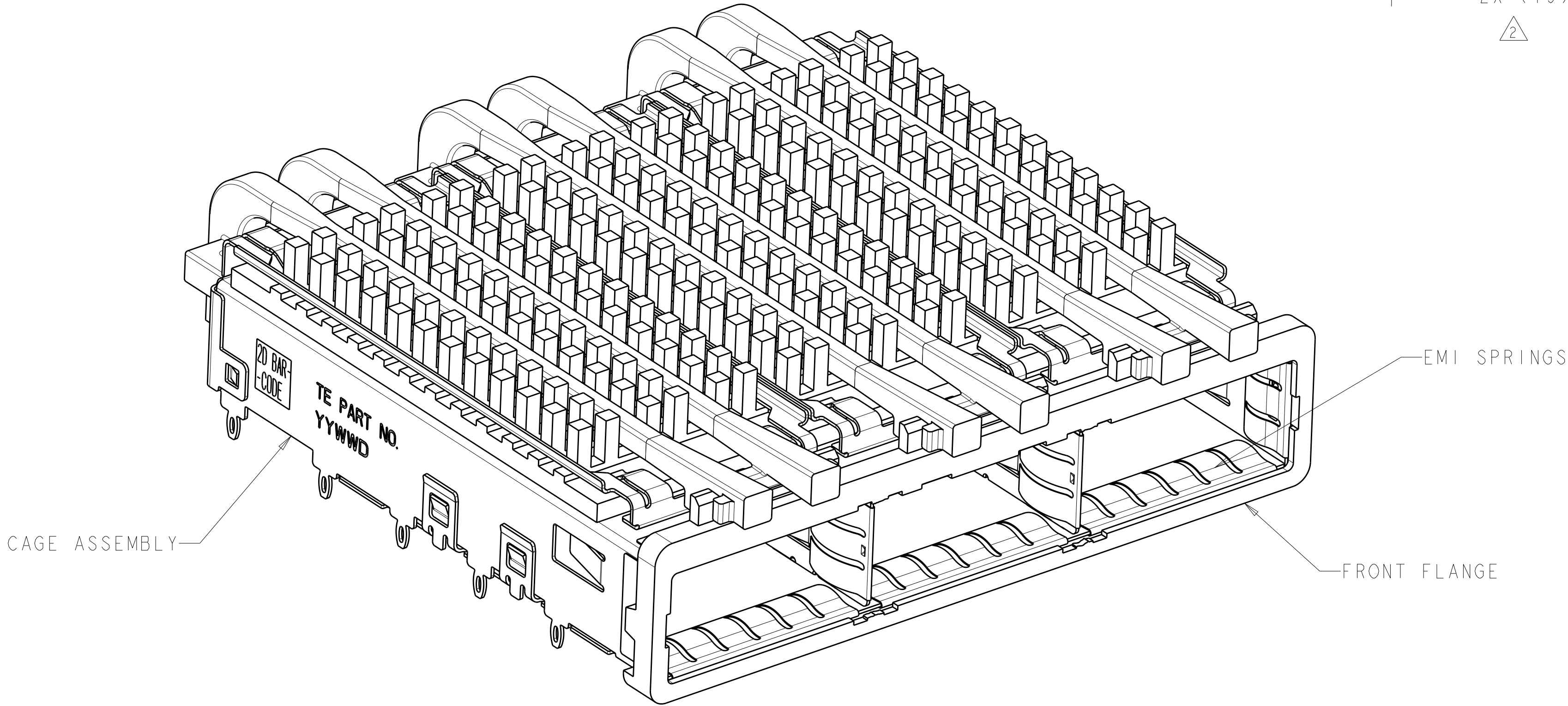
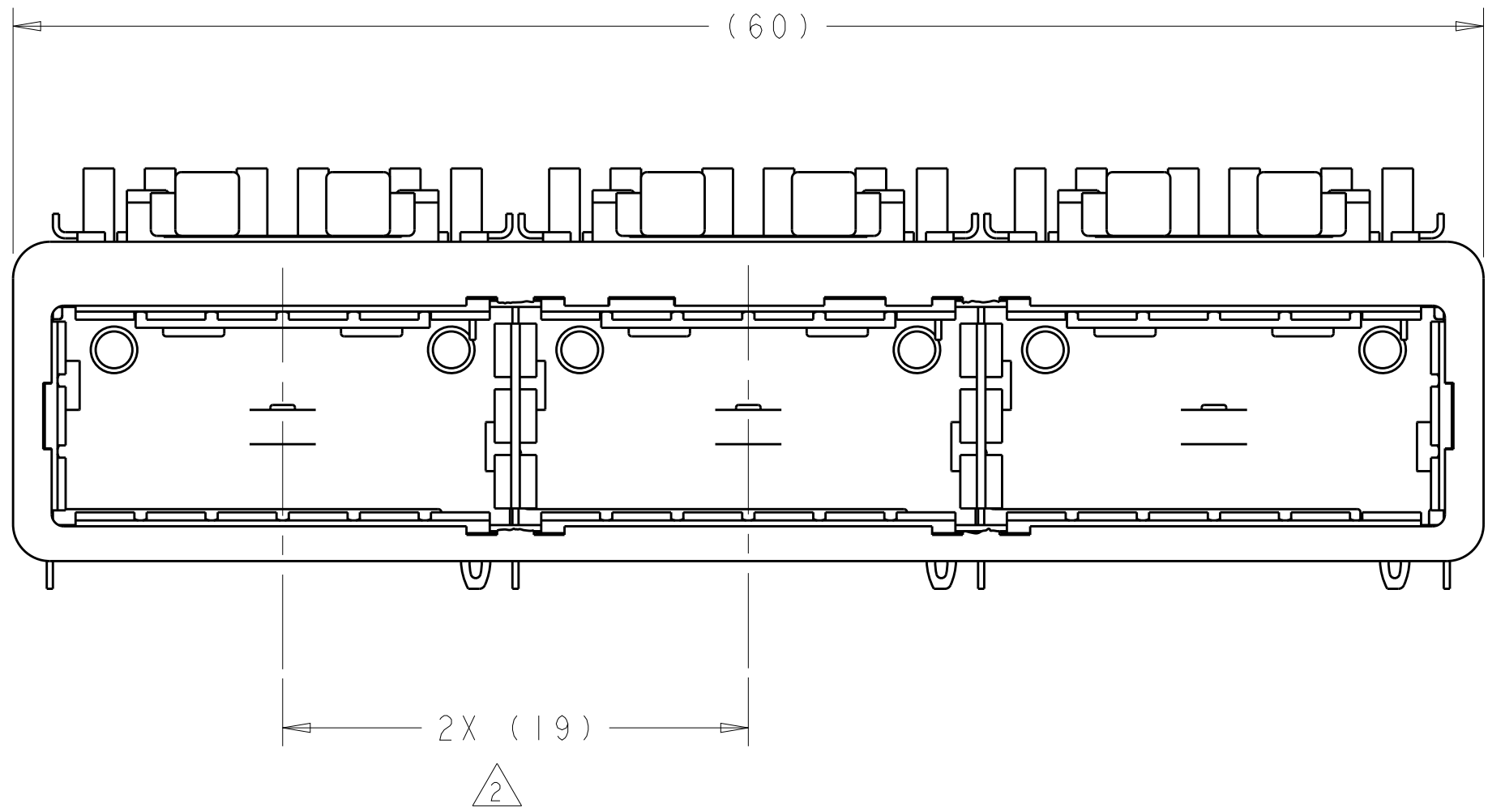
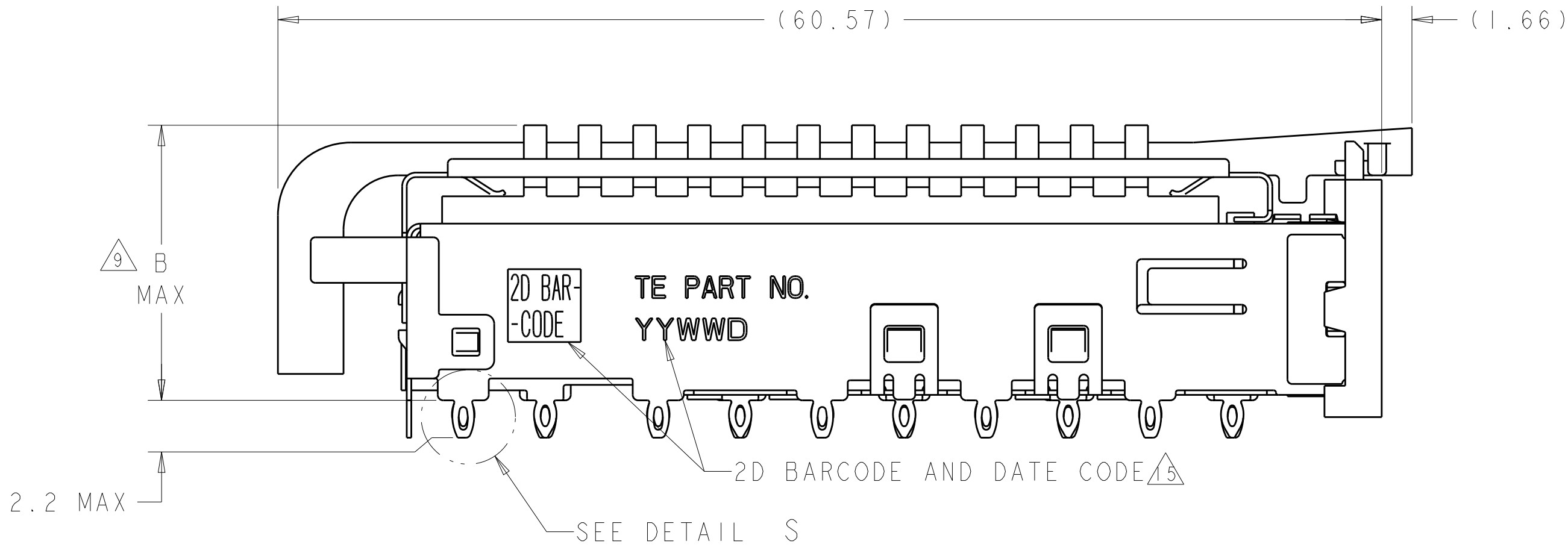
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GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D	REVISED PER ECO-10-018054	04NOV2010	CJV	EJB
			E	REVISED PER ECO-12-005533	05APR2012	JY	AC
			F	REVISED PER ECO-14-016878	03DEC2014	RG	MC



DETAIL S
SCALE 20:1

- 1 MATERIALS:
CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
EMI SPRING: COPPER ALLOY
FRONT FLANGE: ZINC ALLOY
LIGHT PIPE: 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 C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD,
SINGLE SIDED PC BOARD MIN THICKNESS = 1.45mm
DOUBLE SIDED PC BOARD MIN THICKNESS = 2.2mm.
- 7 HEAT SINKS, LIGHT PIPES, AND CLIP SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- 8 DATUM -A- IS TOP SURFACE OF PC BOARD.

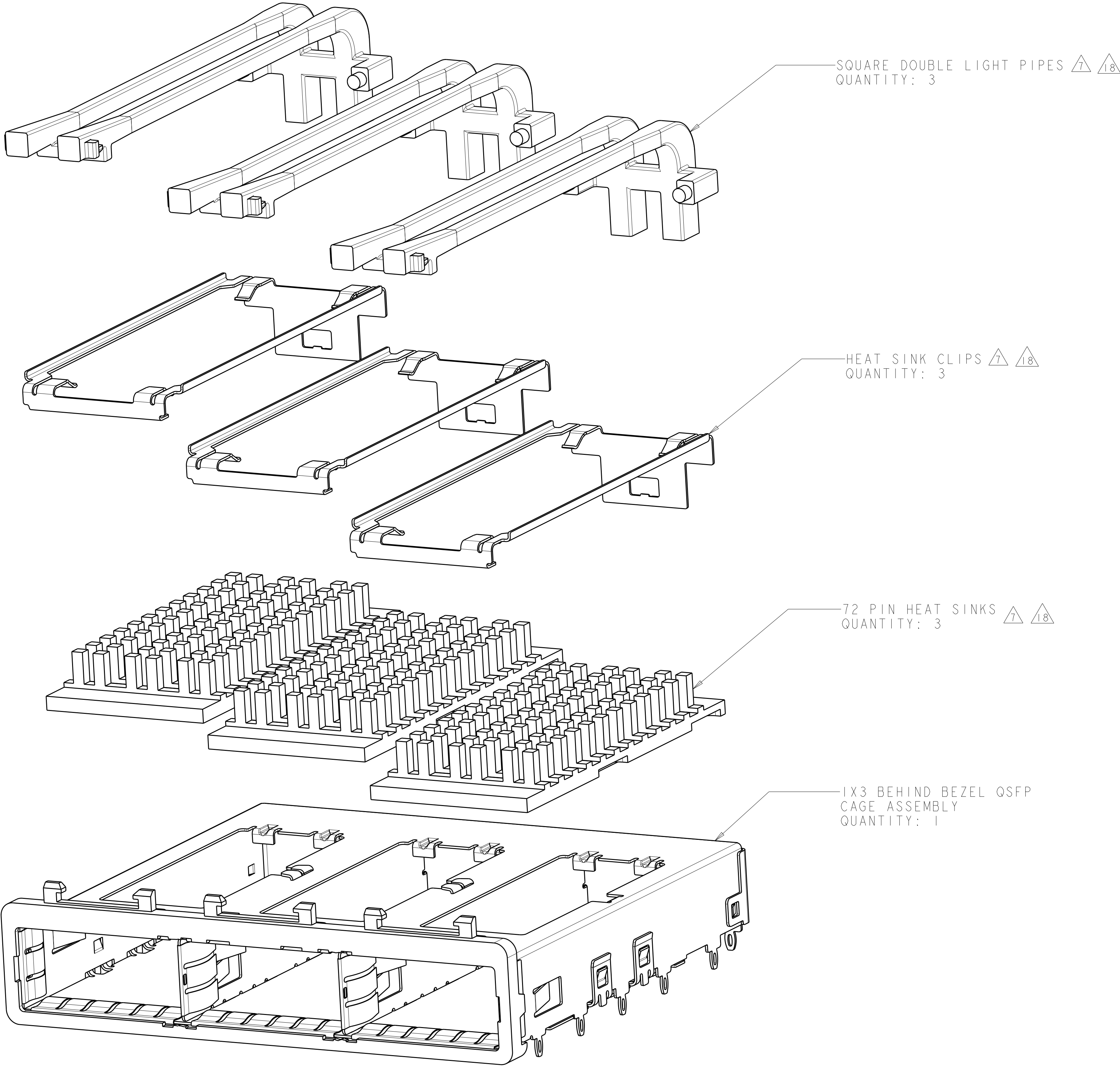
- 9 DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- 10 UNPLATED THRU HOLE.
- 11 MAXIMUM HEIGHT OF LED OFF BOARD: 0.9mm.
12. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 13 SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- 14 BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- 15 2D BARCODE AND DATE CODE (YYWW) MARKED ON SIDE OF CAGE.
- 16 REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 17 FINISH:
EMI SPRING: 2µm MINIMUM TIN
FRONT FLANGE: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL OVER 5.08µm MINIMUM COPPER
HEATSINK: NICKEL
- 18 HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED IN THE PCB.



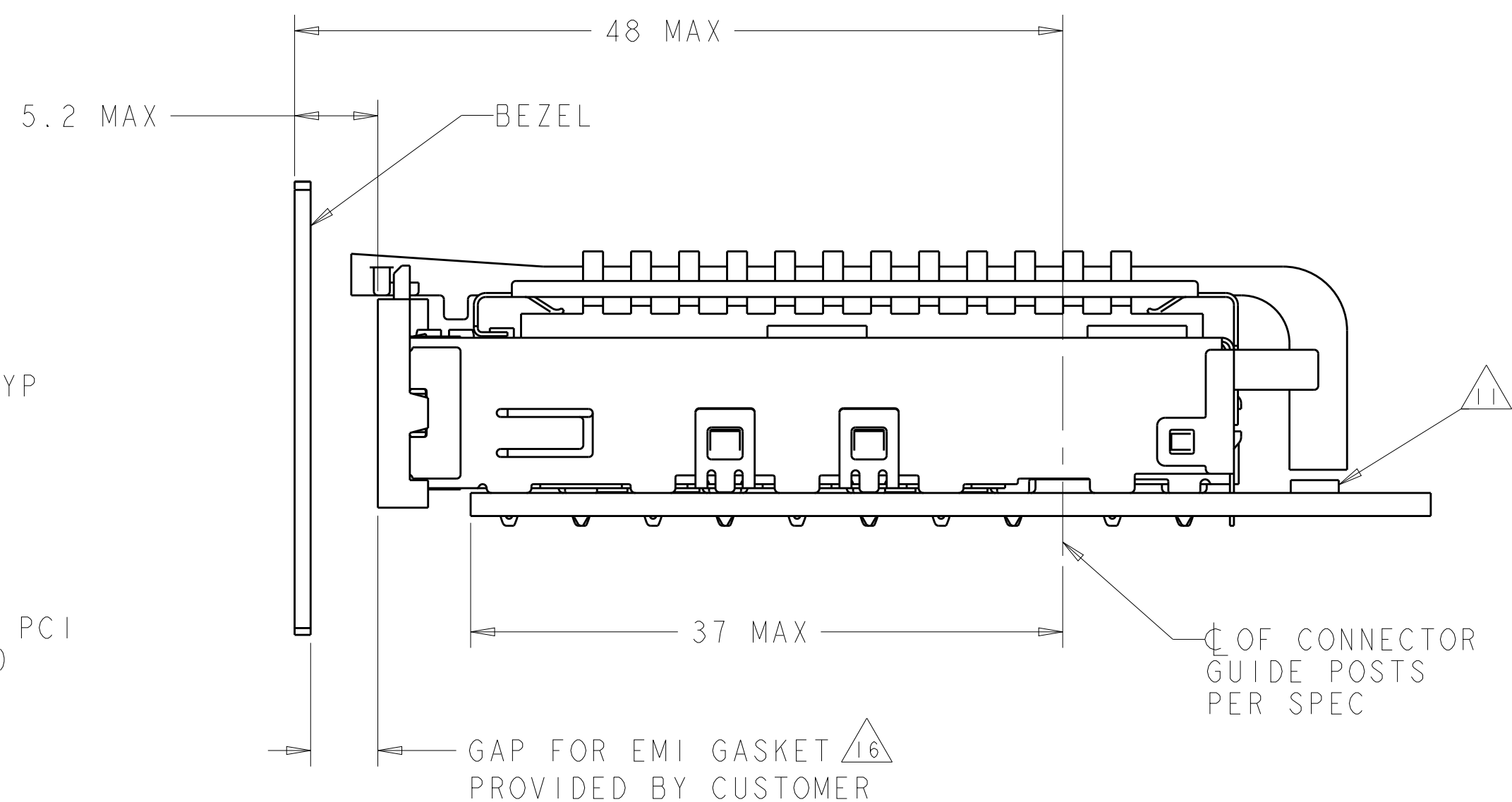
23.0	NETWORKING	2110412-3
16.0	SAN	2110412-2
13.7	PCI	2110412-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 28FEB2008	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS QSFP	
DIMENSIONS:		CHK J. PETERSON 28FEB2008		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. PETERSON 28FEB2008	SIZE CAGE CODE DRAWING NO	
mm		PRODUCT SPEC	RESTRICTED TO	
0 PLC ±0.1		108-2286	A100779C=2110412	
1 PLC ±0.1		APPLICATION SPEC	SCALE 4:1 SHEET 1 OF 5 REV F	
2 PLC ±0.1		114-13218		
3 PLC ±0.1		WEIGHT		
4 PLC ±0.1		CUSTOMER DRAWING		
ANGLES ±0.1				
FINISH				
1				
17				

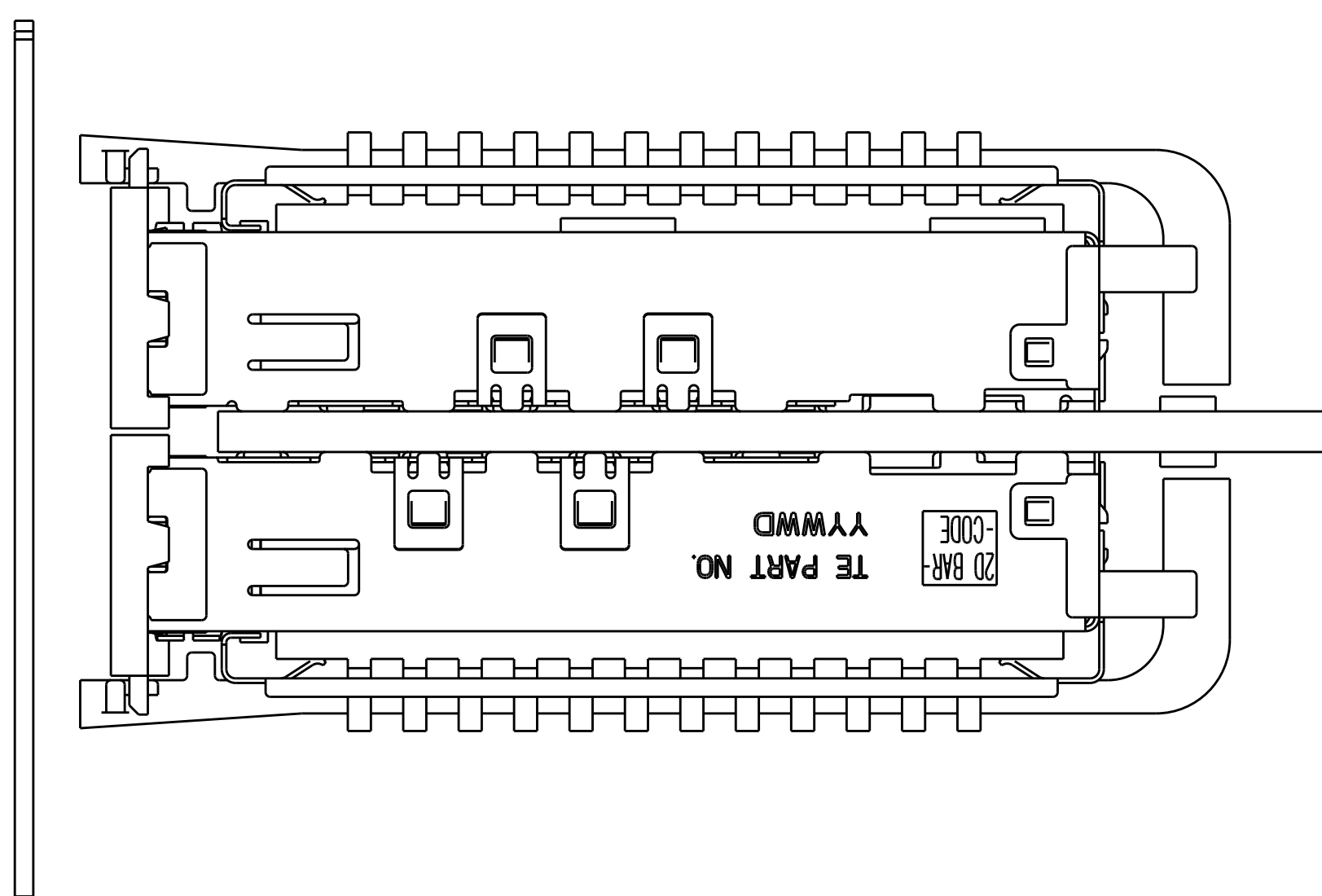
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GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



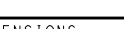
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN	C. VALENTINE	28FEB2008	 TE Connectivity	
		CHK	J. PETERSON	28FEB2008		
		APVD	J. PETERSON	28FEB2008	NAME	
					IX3 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS QSFP	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:			SIZE	
mm		0 PLC ±.1			CAGE CODE	
		1 PLC ±0.1			DRAWING NO	
		2 PLC ±.1			RESTRICTED TO	
		3 PLC ±.			A100779	
		4 PLC ±.			C=2110412	
		ANGLES ±.			SCALE	
		FINISH			4:1	
MATERIAL		-			SHEET	
		-			2	
		CUSTOMER DRAWING			OF	
					5	
					REV	
					F	

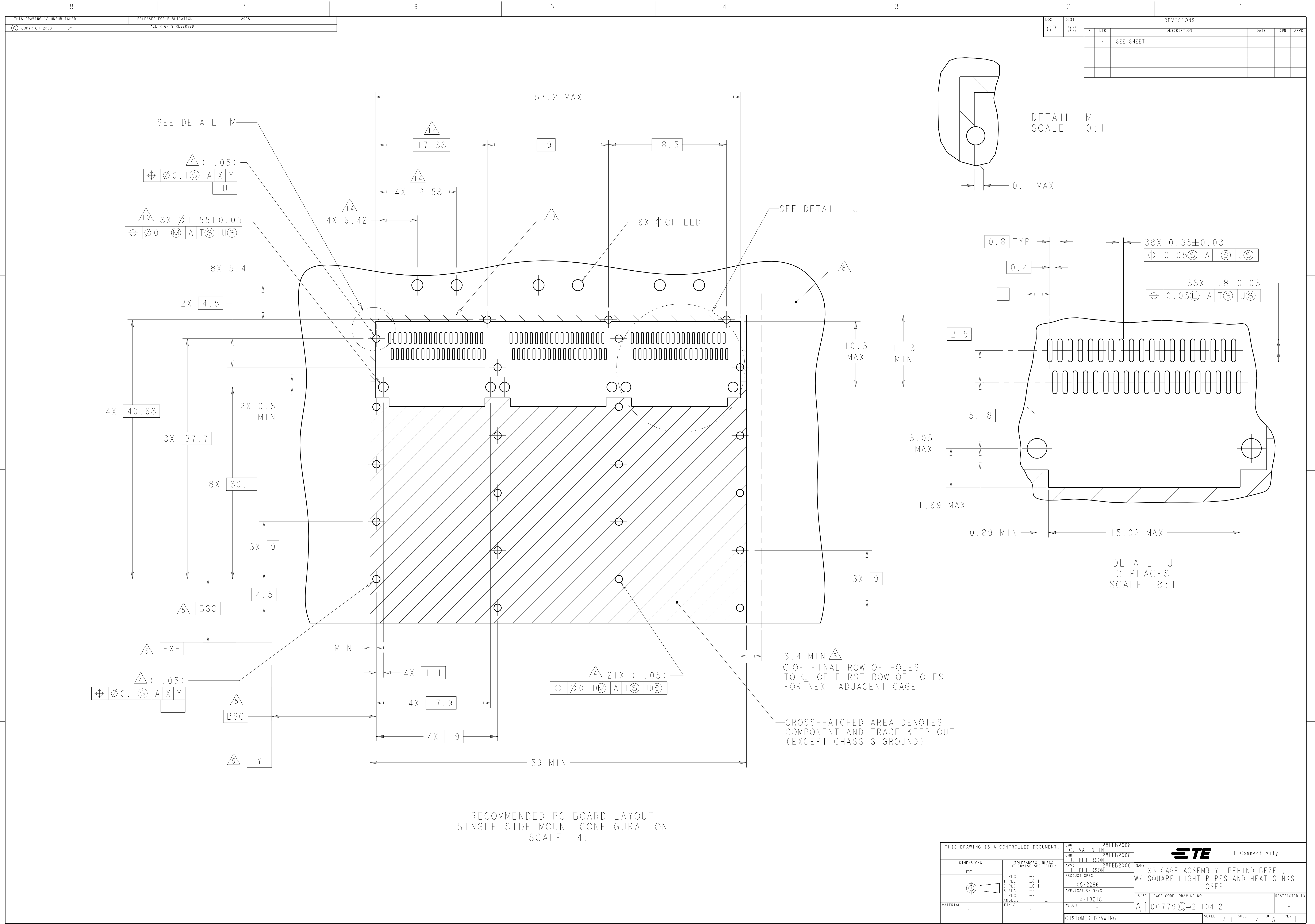


OF CONNECTOR
GUIDE POSTS
PER SPEC



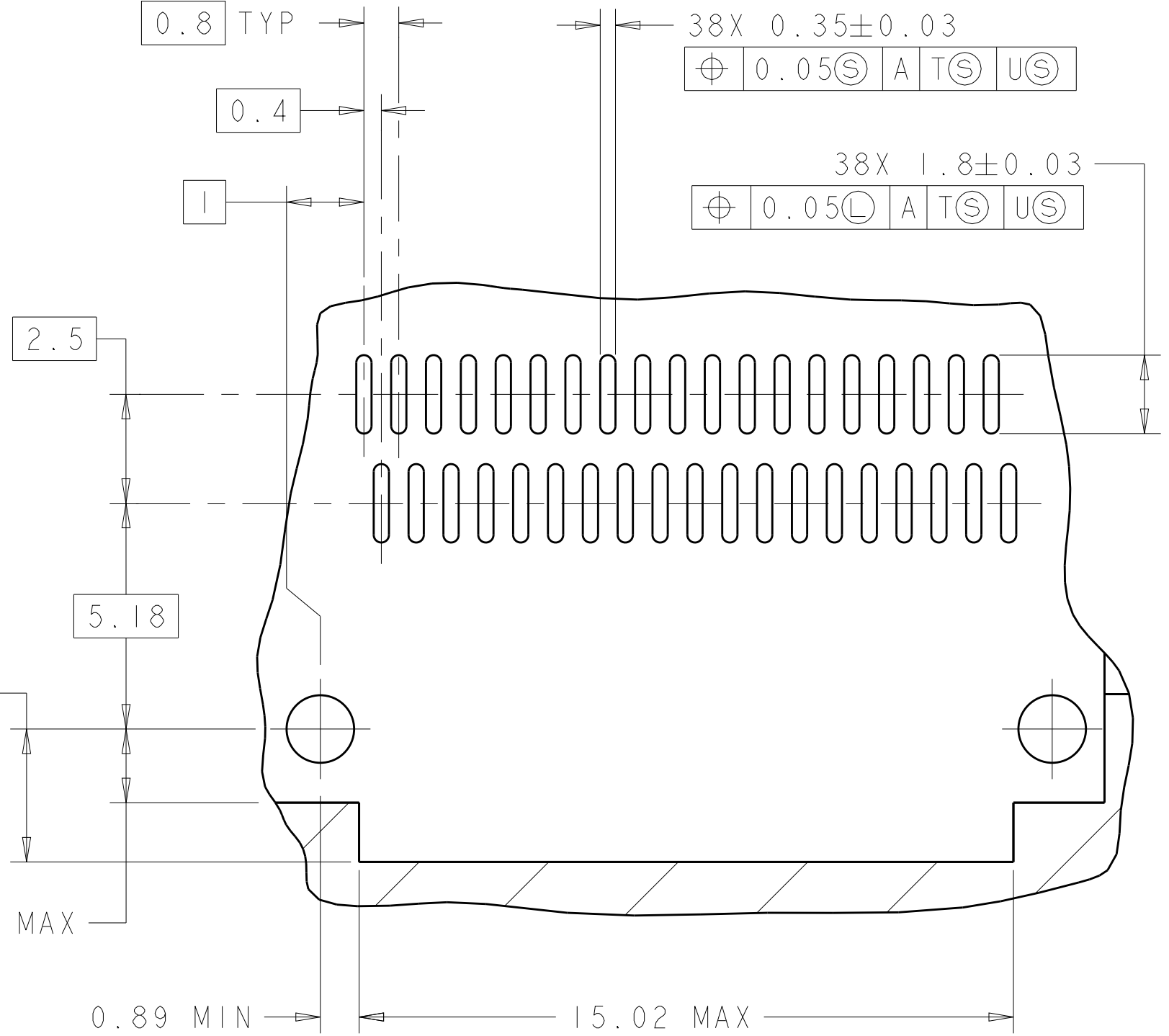
TE PART NO. Y Y W W D

THIS DRAWING IS A CONTROLLED DOCUMENT.				OWN VALENTIN		28FEB2008				TE Connectivity											
DIMENSIONS: mm				TOLERANCES UNLESS OTHERWISE SPECIFIED:				CHK J. PETERSON		28FEB2008		NAME		X13 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS							
								APPROV J. PETERSON		28FEB2008				QSPF							
				O PLC ±.1 P PLC ±.1 C PLC ±.1 R PLC ±. ANGLES ±.				PRODUCT SPEC		108-2286		APPLICATION SPEC		114-13218							
								WEIGHT		-		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
MATERIAL				FINISH				CUSTOMER DRAWING				SCALE		4:1		SHEET		3 OF 5		REV F	
-				-				A100779				C=2110412									



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

DETAIL M
SCALE 10:1

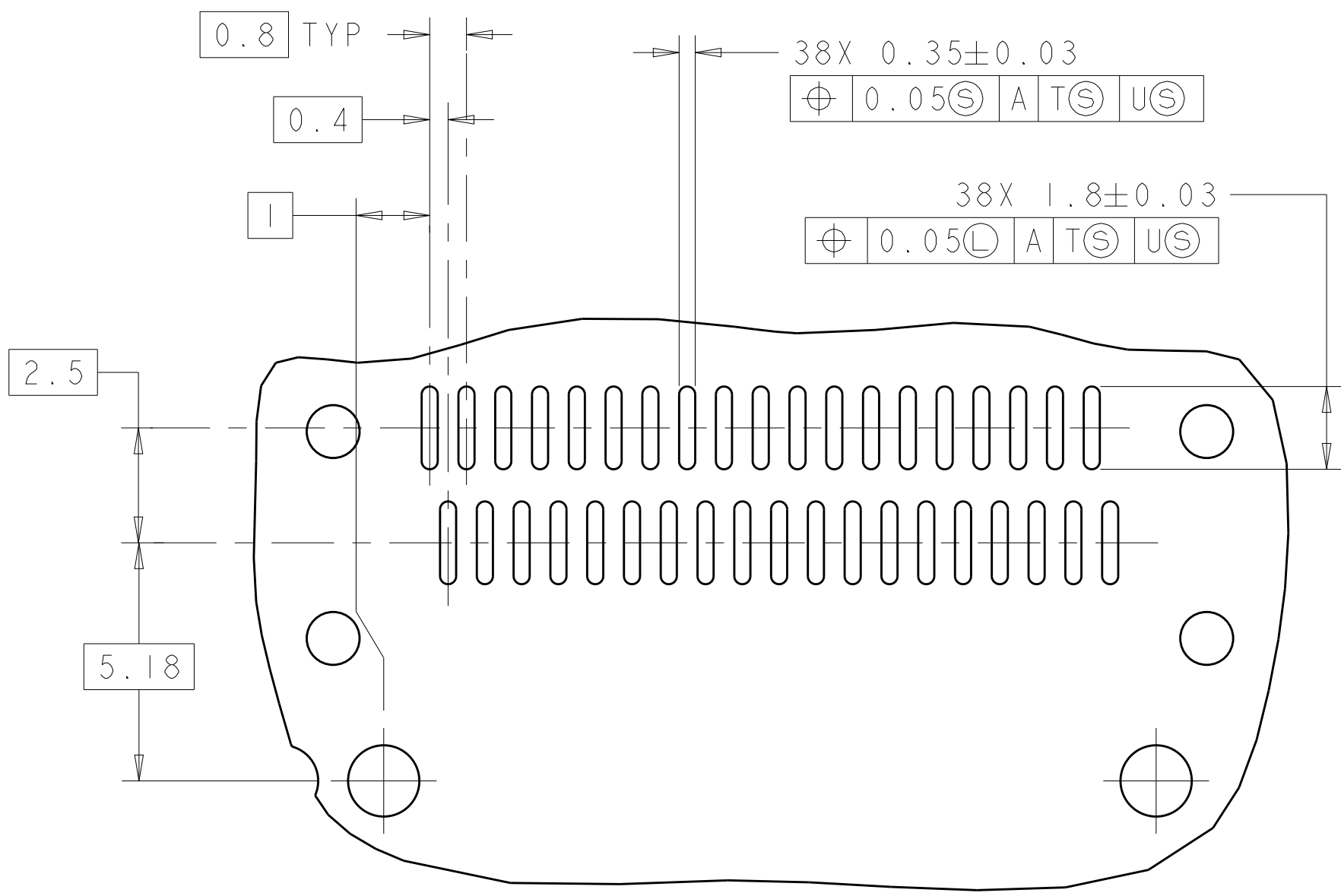
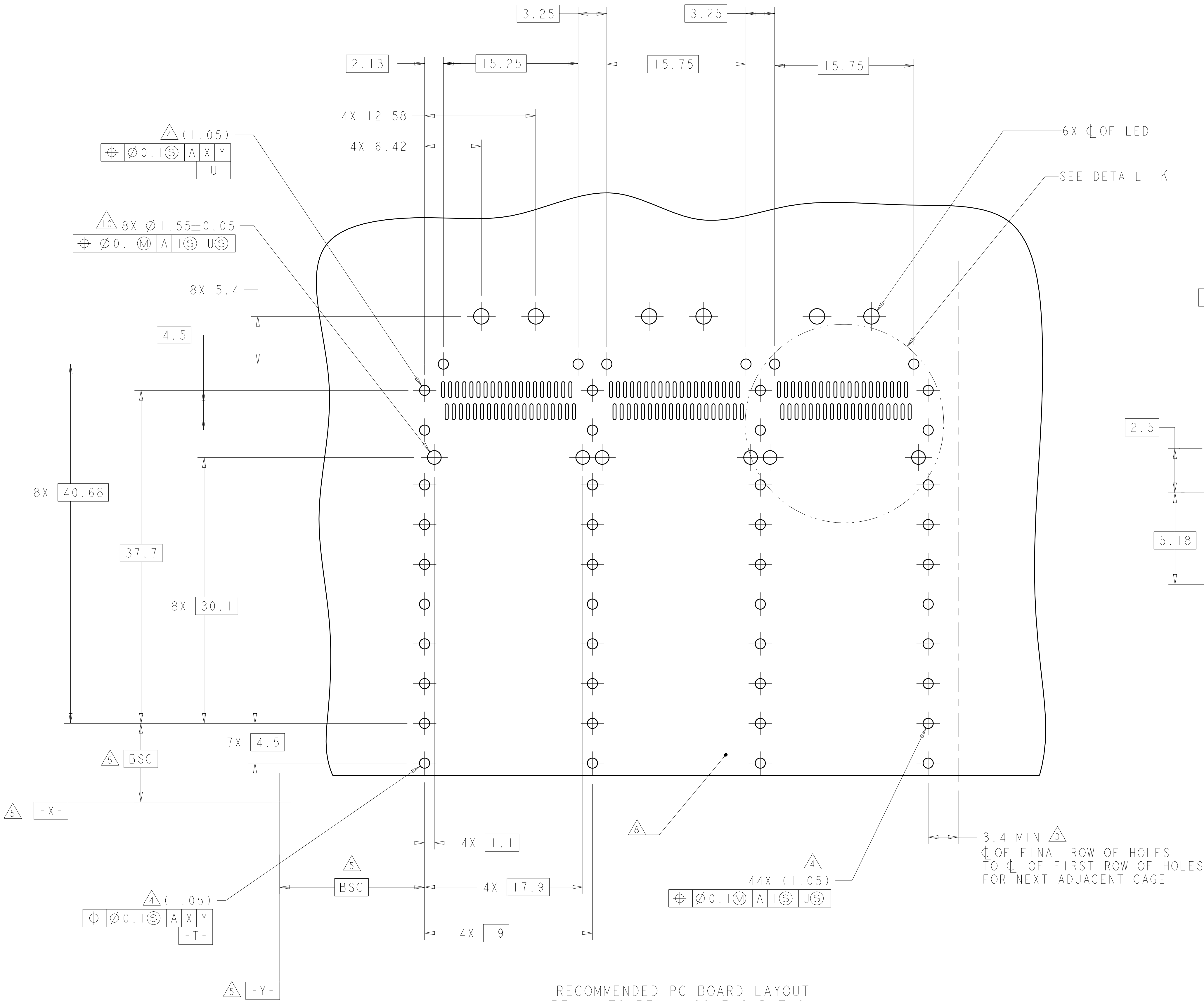


DETAIL J
3 PLACES
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE 28FEB2008	 TE Connectivity	
DIMENSIONS: mm		CHK J. PETERSON 28FEB2008		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J. PETERSON 28FEB2008	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS QSFP	
0 PLC ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ± 4 PLC ±		PRODUCT SPEC 108-2286	SIZE A100779	
ANGLES ±		APPLICATION SPEC 114-13218	CAGE CODE C=2110412	
FINISH		WEIGHT	RESTRICTED TO	
MATERIAL		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	-	-	-



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	28FEB2008 28FEB2008 28FEB2008	TE Connectivity	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	NAME	1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQUARE LIGHT PIPES AND HEAT SINKS, QSFP	
mm	0 PLC $\pm$ 0.1 1 PLC $\pm$ 0.1 2 PLC $\pm$ 0.1 3 PLC $\pm$ 0.1 4 PLC $\pm$ 0.1 ANGLES $\pm$ 0.1 FINISH	APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO
MATERIAL	-	WEIGHT	A100779	C=2110412	RESTRICTED TO
CUSTOMER DRAWING		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

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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