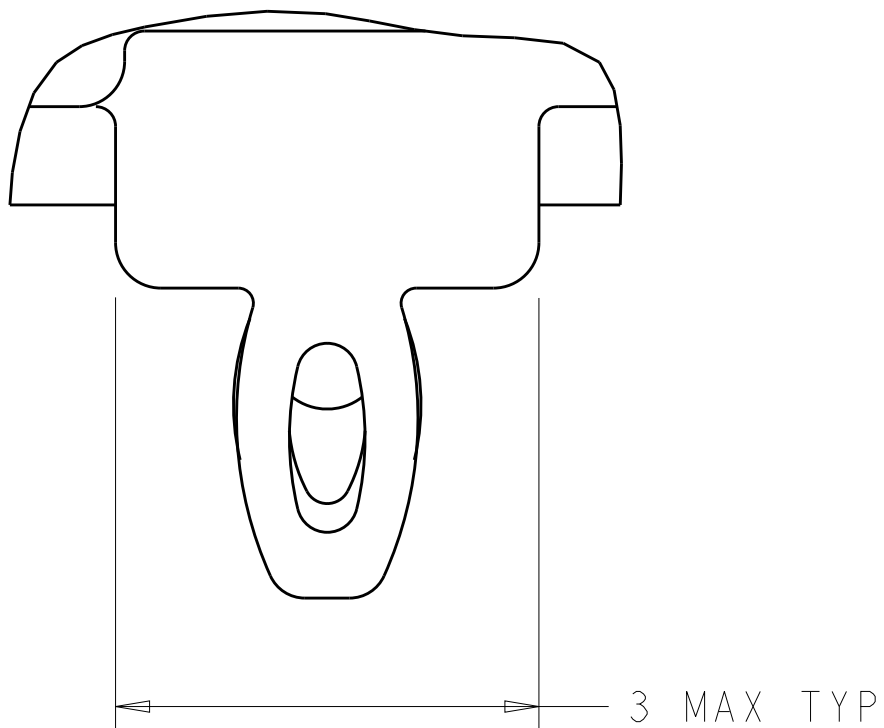


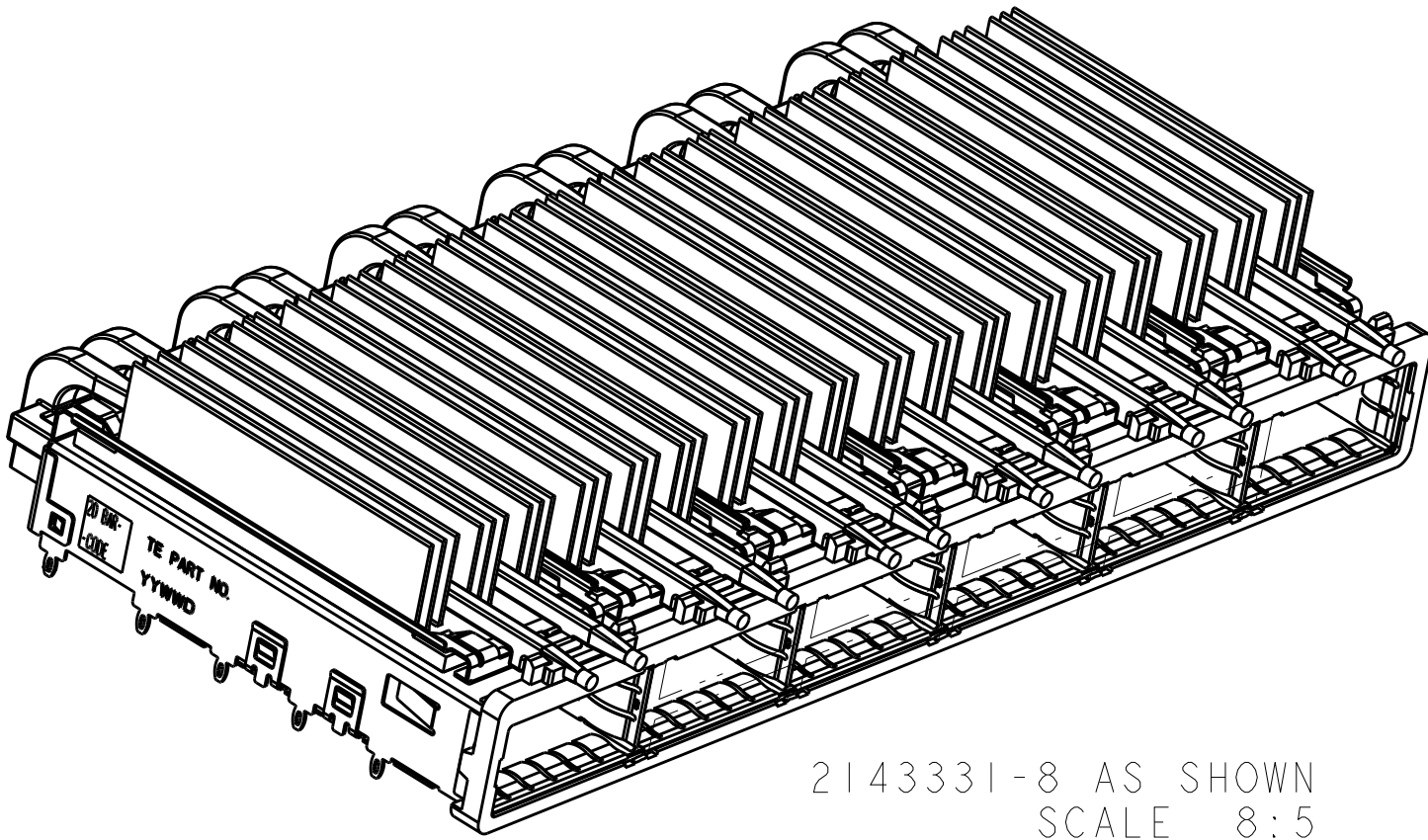
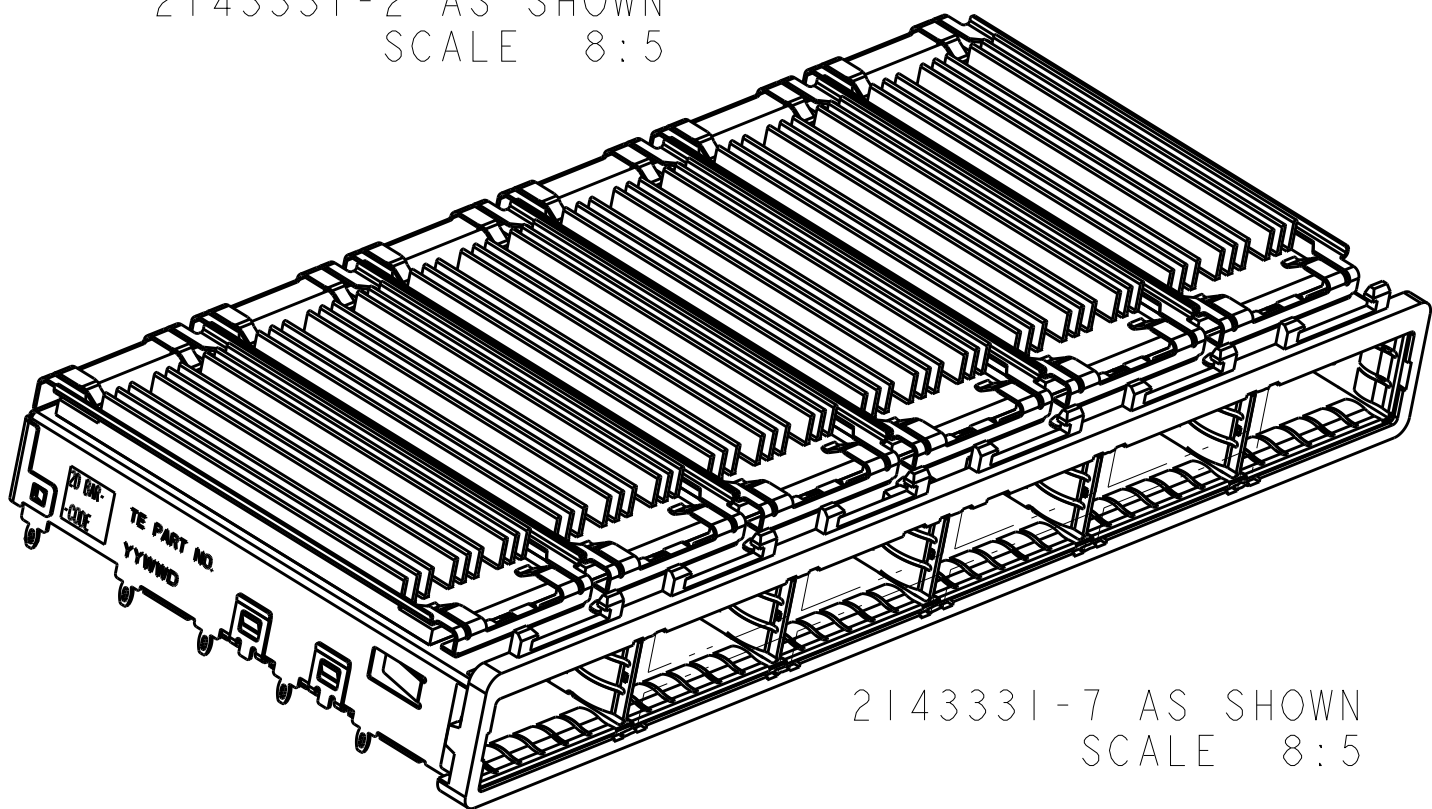
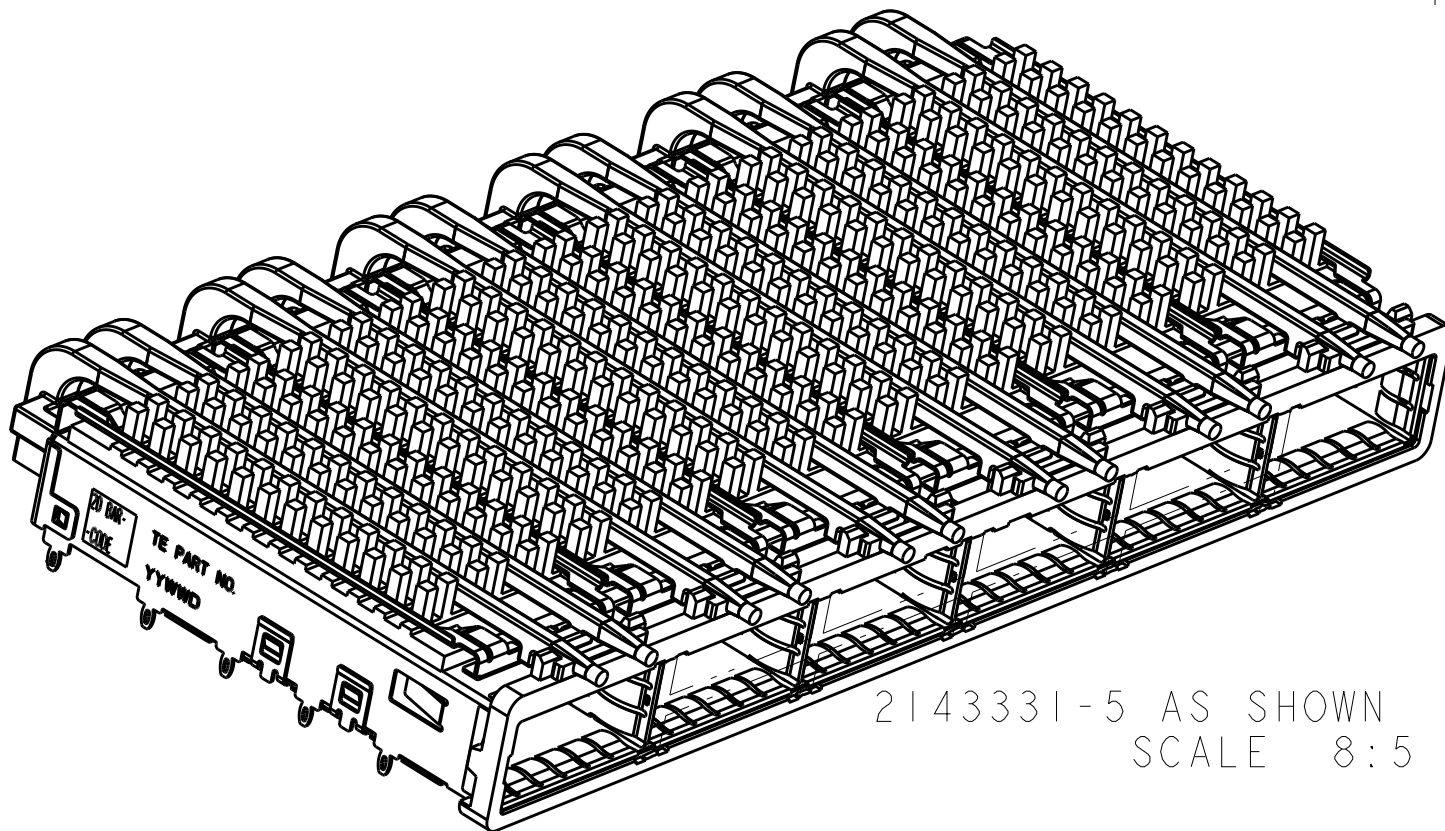
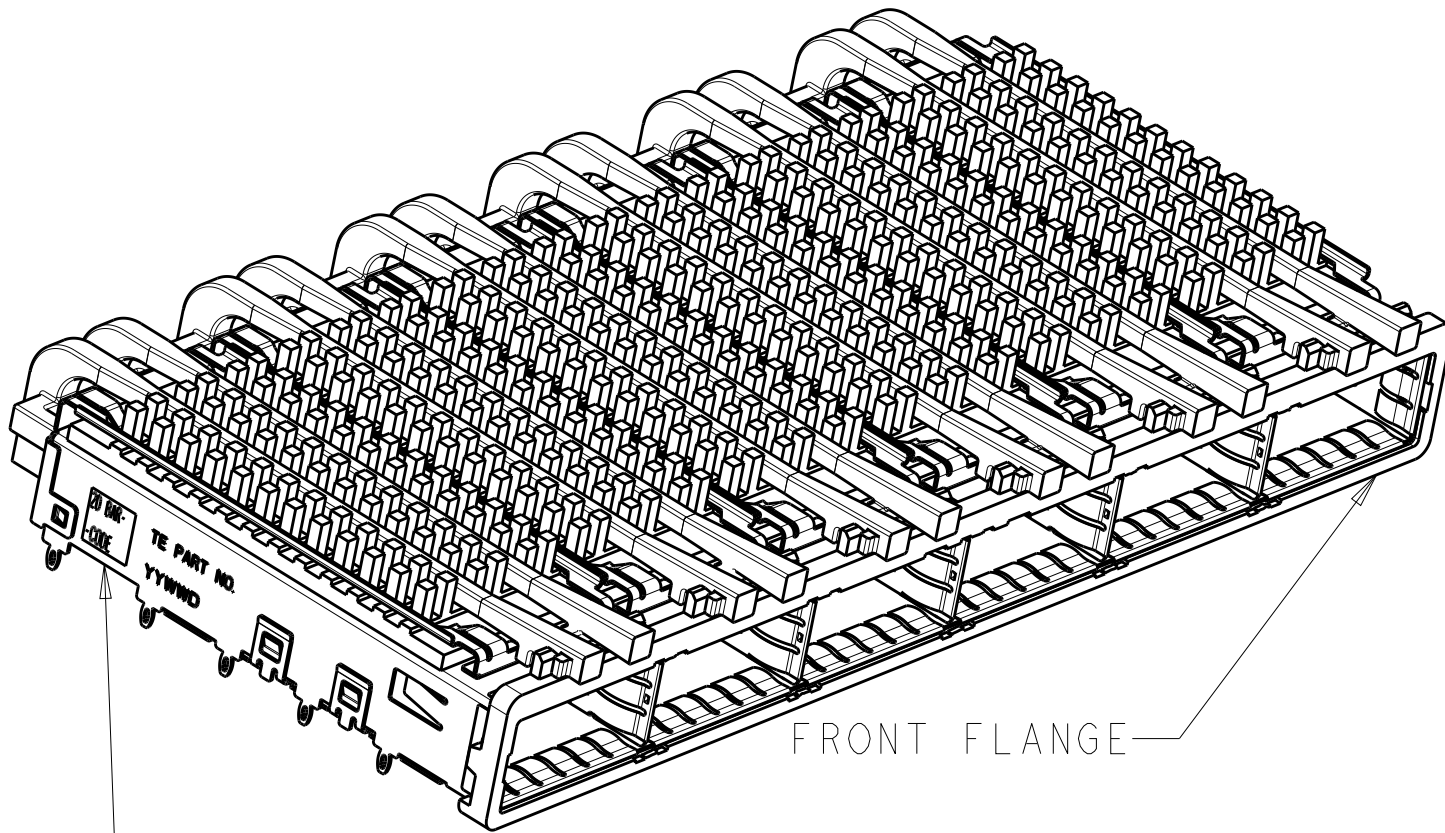
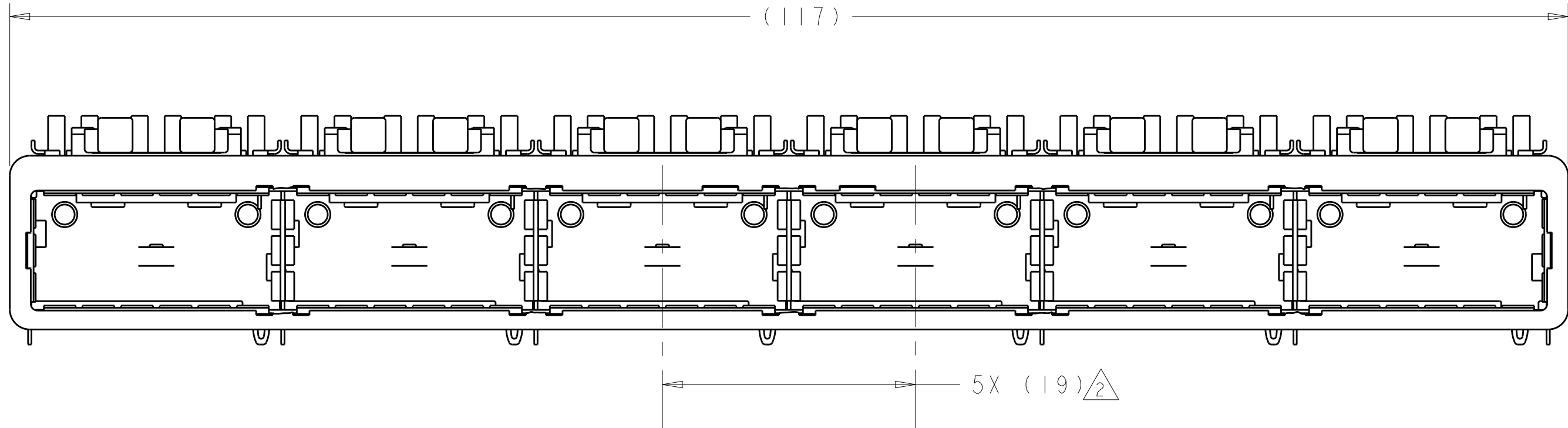
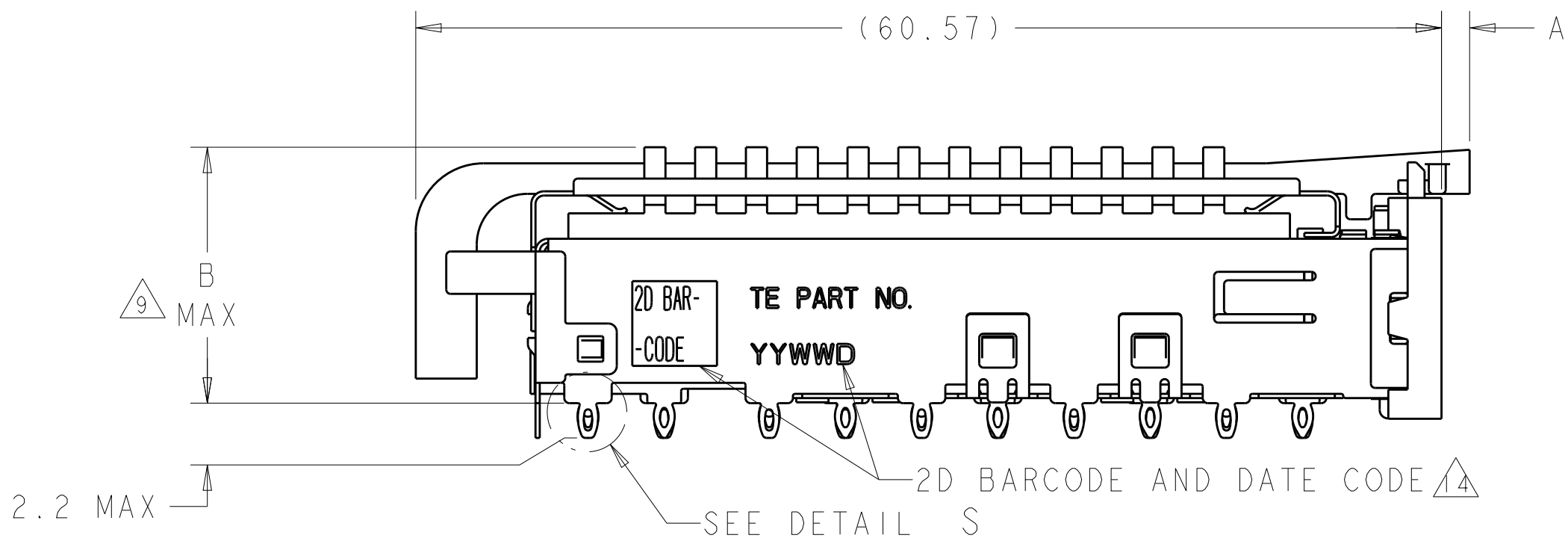
LOC	DIST	REVISIONS						
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
			6	REVISED PER ECO-12-003841	14MAR2012	TY	KS	
			7	REVISED PER ECO-12-005533	05APR2012	JY	AC	
			A	REVISED PER ECR-13-019963	5NOV2013	RG	MC	
			B	REVISED PER ECO-14-016878	30EC2014	RG	MC	



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 SPRING MATERIAL: COPPER ALLOY
FRONT FLANGE MATERIAL: ZINC ALLOY
LIGHT PIPE MATERIAL: CLEAR POLYCARBONATE
- 2 PITCH BETWEEN PORTS OF ONE 1X6 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.

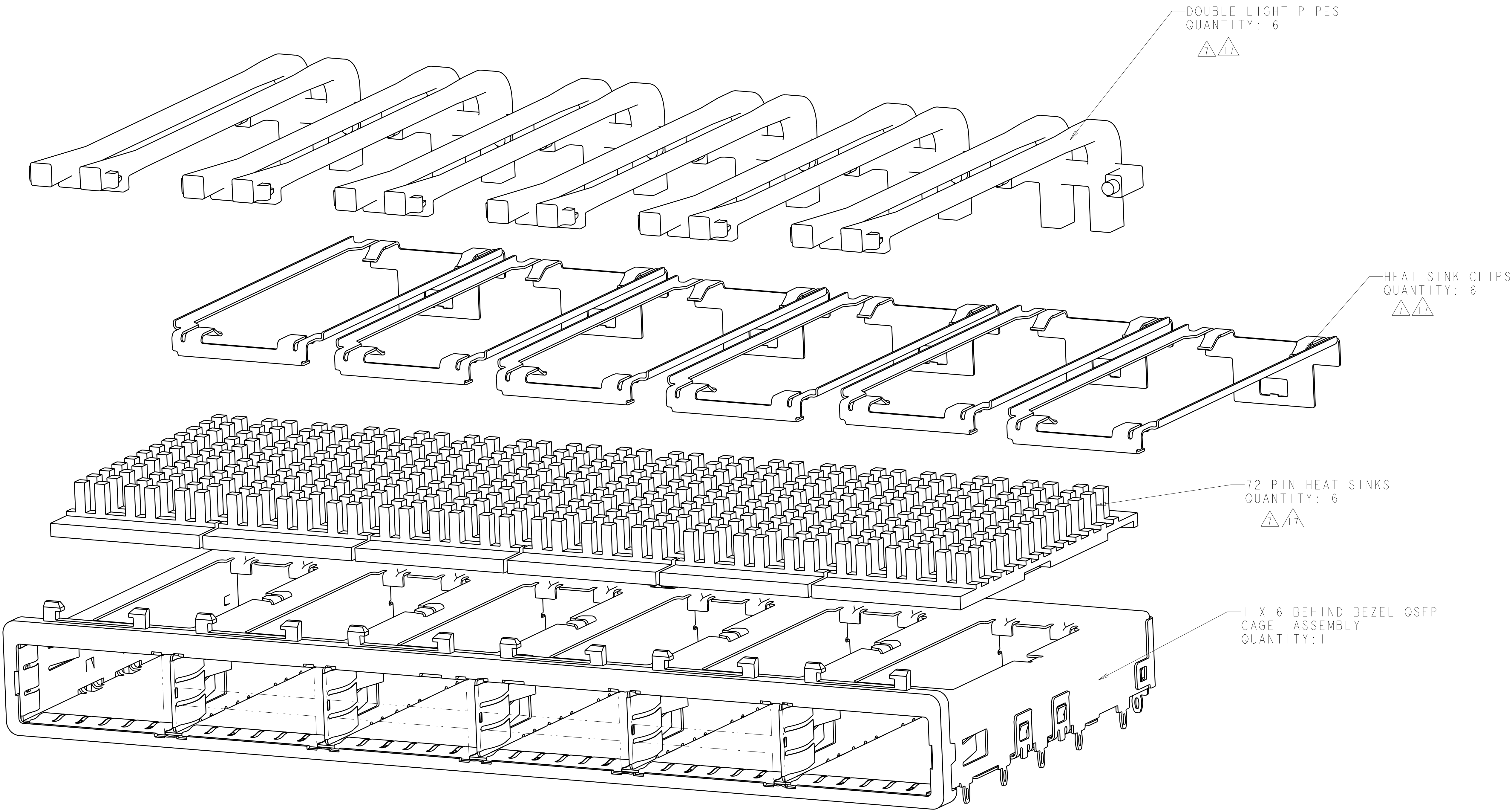
- 15 REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- 16 EMI SPRING FINISH: 2um MINIMUM TIN
FRONT FLANGE FINISH: 3um MINIMUM TIN OVER 1.27um MINIMUM NICKEL
OVER 5.08um MINIMUM COPPER.
HEAT SINK FINISH: BLACK ANODIZED
- 17 HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY 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.
- 18 ROUND LIGHT PIPES PLEASE SEE SHEET 4/6

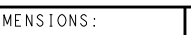


18	ROUND LIGHT PIPE	2.00	21.0	FIN TYPE	2143331-8
	N/A	N/A	15.0	FIN TYPE	2143331-7
18	ROUND LIGHT PIPES	1.66	23.0	NETWORKING	2143331-6
			16.0	SAN	2143331-5
			13.7	PCI	2143331-4
17	SQUARE LIGHT PIPES	1.66	23.0	NETWORKING	2143331-3
			16.0	SAN	2143331-2
			13.7	PCI	2143331-1
17	LIGHT PIPE TYPE	A	B	HEAT SINK PROFILE	PART NUMBER

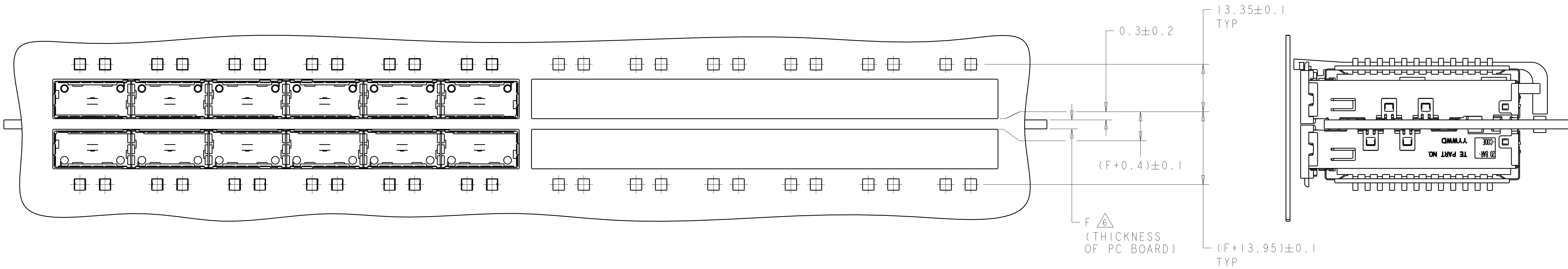
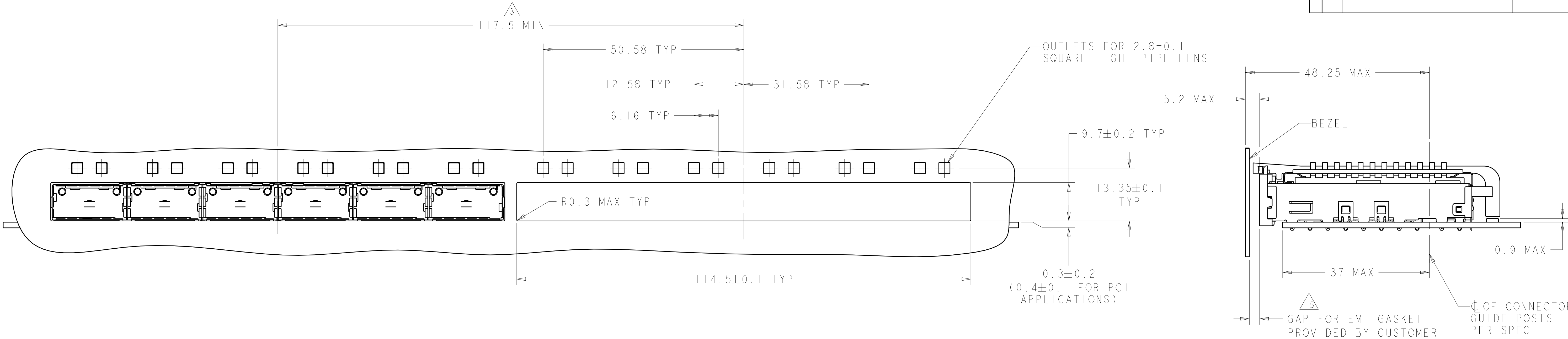
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	18MAR2010 18MAR2010 18MAR2010	TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
mm		0 PLC ±.020 1 PLC ±0.15 2 PLC ±. 3 PLC ±. 4 PLC ±. ANGLES ±.		PRODUCT SPEC	
				APPLICATION SPEC	
MATERIAL		FINISH		SIZE	
1		16		114-13218	
				WEIGHT	
				Customer Drawing	
				SCALE 3:1	
				SHEET 1 OF 6	
				REV B	

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



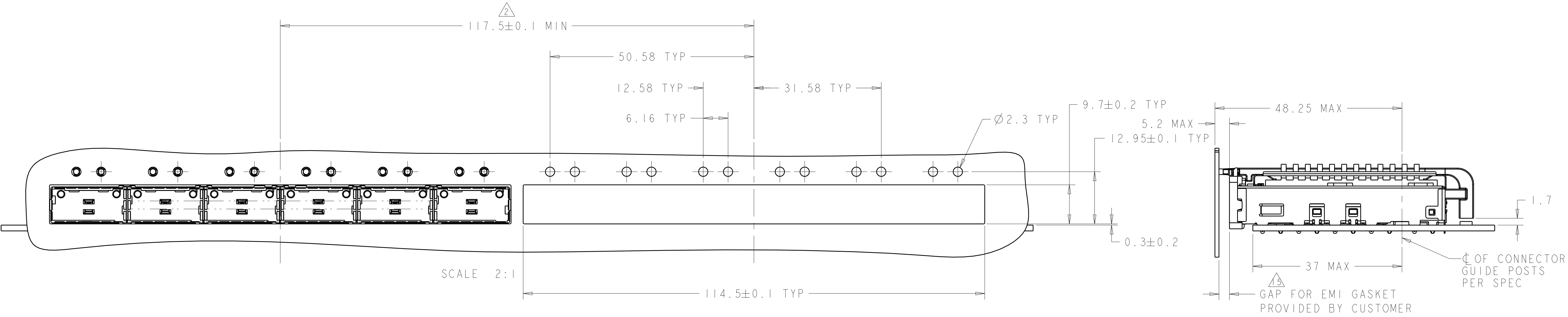
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE	18MAR2010	 TE Connectivity	
DIMENSIONS:		CHK J. PETERSON	18MAR2010		
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SOR LIGHT PIPES AND HEAT SINKS, QSFP	
		0 PLC ±.1		APVD J. PETERSON	
		1 PLC ±0.1		PRODUCT SPEC	
		2 PLC ±0.1		108-2286	
		3 PLC ±.1		APPLICATION SPEC	
		4 PLC ±.1		114-13218	
		ANGLES ±.1		SIZE	
		FINISH		CAGE CODE	
		MATERIAL		DRAWING NO	
		-		A100779	
		C=2143331			
		RESTRICTED TO			
		-			
		SCALE			
		4:1			
		SHEET			
		2			
		OF			
		6			
		REV			
		B			

LOC		DIST		REVISONS			
GP		00		P	LTR	DESCRIPTION	DATE
				-	-	SEE SHEET 1	-

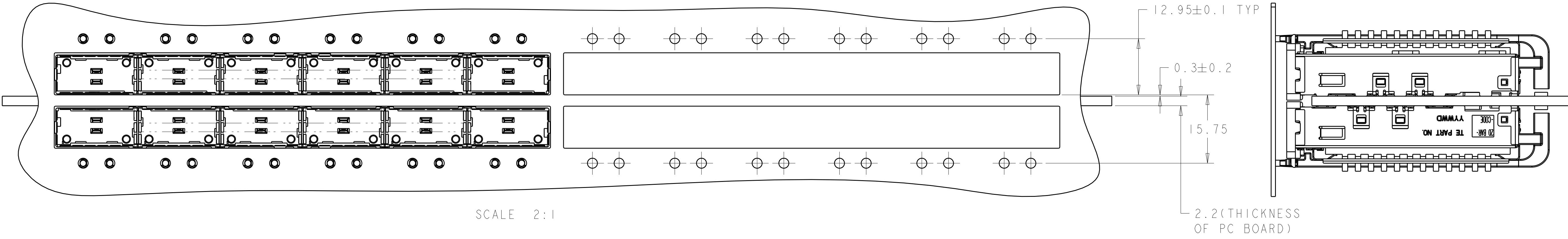


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C. VALENTINE	18MAR2010	TE Connectivity		
		CHK	J. PETERSON	18MAR2010			
		APVD	J. PETERSON	18MAR2010	NAME		
		PRODUCT SPEC			1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQR LIGHT PIPES AND HEAT SINKS, QSFP		
		APPLICATION SPEC			SIZE		
		114-13218			CAGE CODE		
		WEIGHT			DRAWING NO		
		Customer Drawing			A100779C=2143331		
					RESTRICTED TO		
					-		
					SCALE		
					4:1		
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					3		
					OF		
					6		
					REV		
					B		

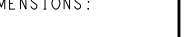
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

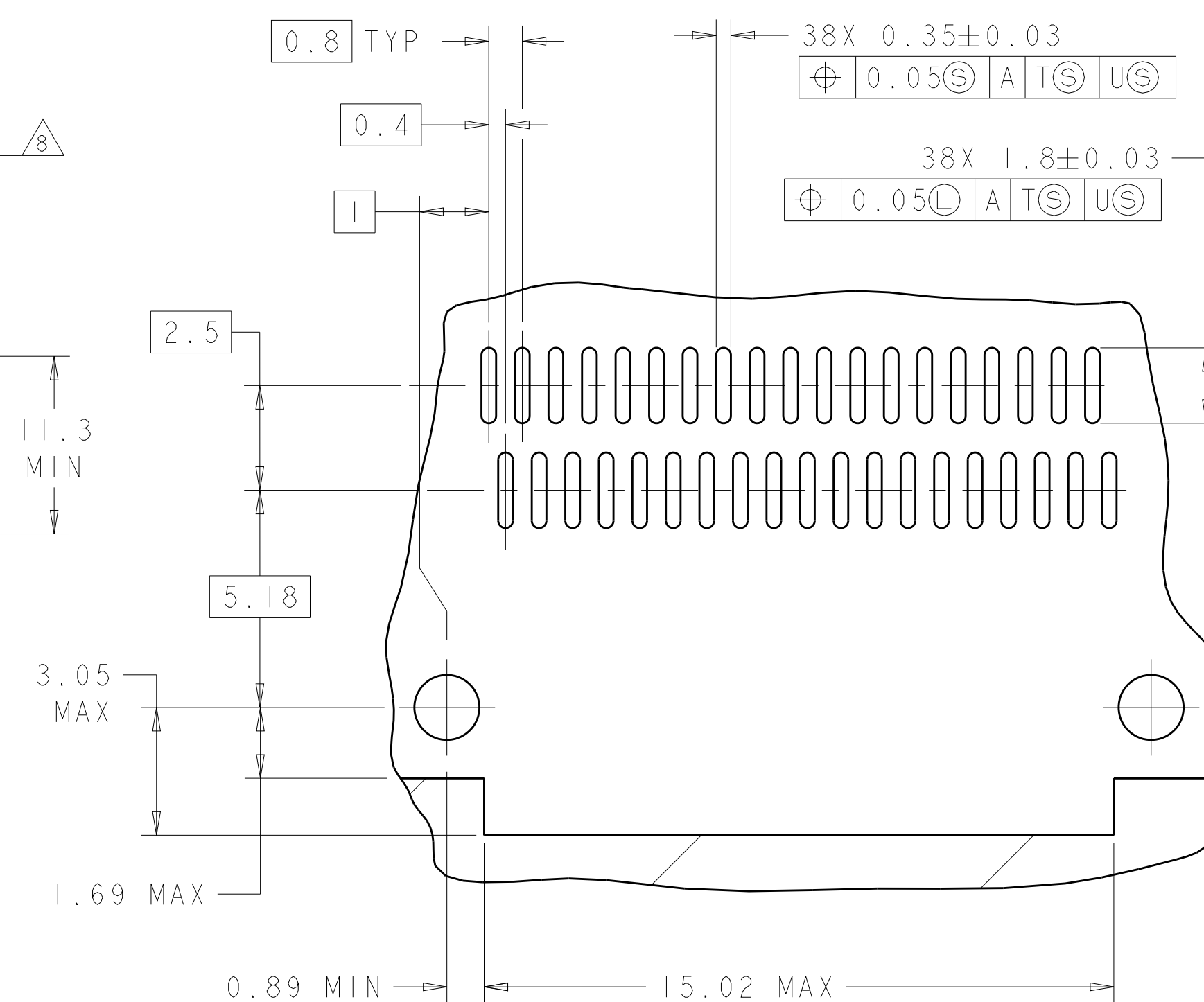
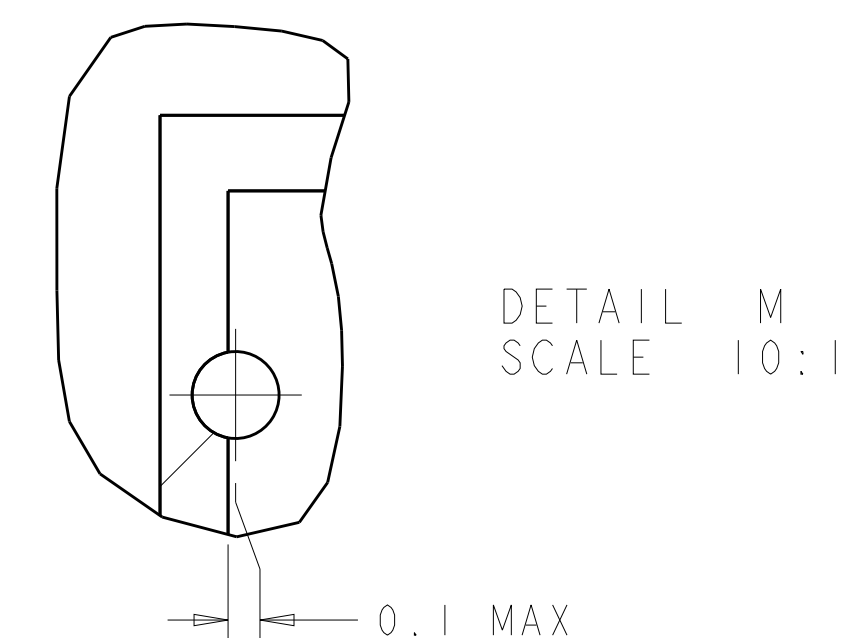


ONE SIDED CONFIGURATION WITH
ROUND LIGHT PIPES



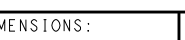
BELLY TO BELLY CONFIGURATION
WITH ROUND LIGHT PIPES
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	18MAR2010 18MAR2010 18MAR2010	 TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
mm		0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH	± ±0.1 ±0.1 ± ± ± ±	NAME IX6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SOR LIGHT PIPES AND HEAT SINKS, QSFP	
MATERIAL	-	-	-	SIZE A100779	RESTRICTED TO -
Customer Drawing		DRAWING NO C=2143331		SCALE 3:1 SHEET 4 OF 6 REV B	

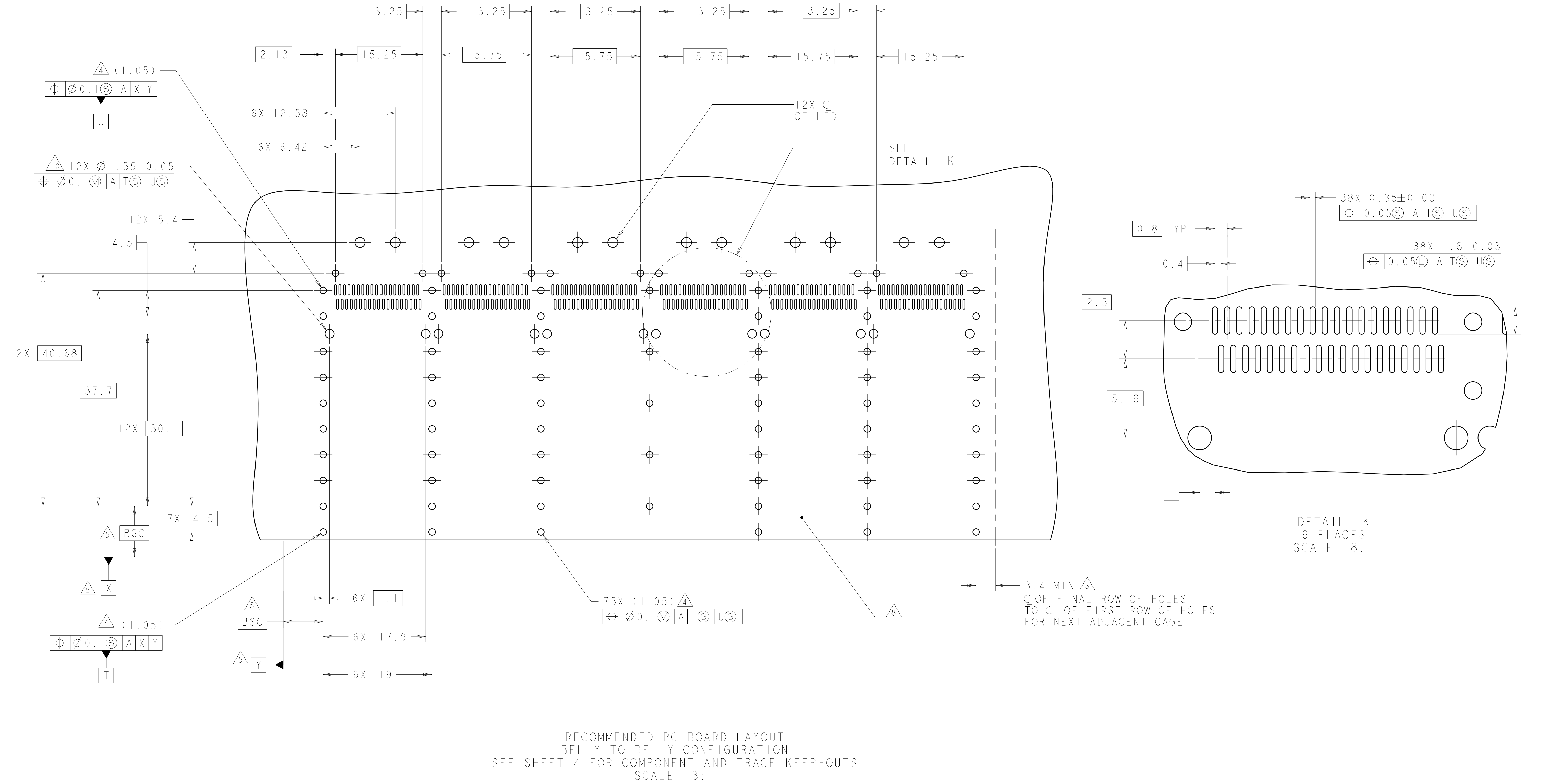


DETAIL J
6 PLACES
SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C VALENTINE	18MAR2010		 TE Connectivity	
		CHK J PETERSON	18MAR2010			
		APVD J PETERSON	18MAR2010			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		
mm		0 PLC ±.1 1 PLC ±0.1 2 PLC ±.1 3 PLC ±.1 4 PLC ±.1		1X6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SQ R LIGHT PIPES AND HEAT SINKS, QSFP		
		ANGLES		PRODUCT SPEC		
MATERIAL		FINISH		APPLICATION SPEC		
-		-		108-2286		
				114-13218		
				SIZE		
				CAGE CODE		
				DRAWING NO		
				RESTRICTED TO		
				WEIGHT		
				A1 00779 ©=2143331		
				Customer Drawing		
				SCALE		
				A:1		
				SHEET		
				5 OF 6		
				REV A		

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. VALENTINE CHK J. PETERSON APVD J. PETERSON	18MAR2010 8MAR2010 8MAR2010	TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME IX6 CAGE ASSEMBLY, BEHIND BEZEL, W/ SOR LIGHT PIPES AND HEAT SINKS, QSFP	
		0 PLC ± 1 PLC ±0.1 2 PLC ±0.1 3 PLC ± 4 PLC ± ANGLES ± FINISH		PRODUCT SPEC 108-2286 APPLICATION SPEC 114-13218	
MATERIAL -		WEIGHT -		SIZE A100779C=2143331	
Customer Drawing		SCALE 4:1		SHEET 6 OF 6	
				REV B	



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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