

LOC		DIST		REVISIONS						
-	-	P	LTR	DESCRIPTION			DATE	DWN	APVD	
			5	REVISED			15JAN2014	BL	JY	
			6	REVISED			27MAY2014	BL	JY	
			7	ADD -4 PART NUMBER			27JAN2015	RG	MC	
			A	ADD -5 IN SHEET 6			7MAR2016	RG	SH	

- 1

CAGE ASSEMBLY MATERIAL: NICKEL SILVER, 0.25 THICK
HEAT SINK MATERIAL: ALUMINUM
HEAT SINK CLIP MATERIAL: STAINLESS STEEL
EMI SPRING MATERIAL: COPPER ALLOY
EMI GASKET PLATE MATERIAL: STAINLESS STEEL
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 114-13217 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 = 5.0mm PER CUSTOMER.
- 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

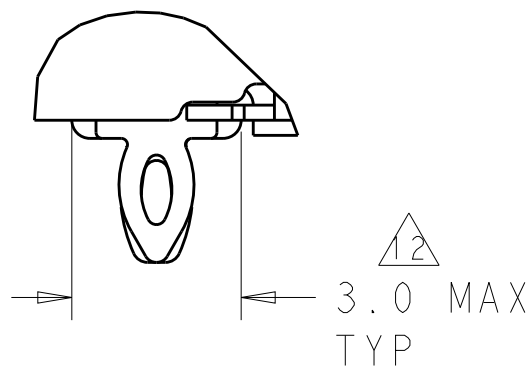
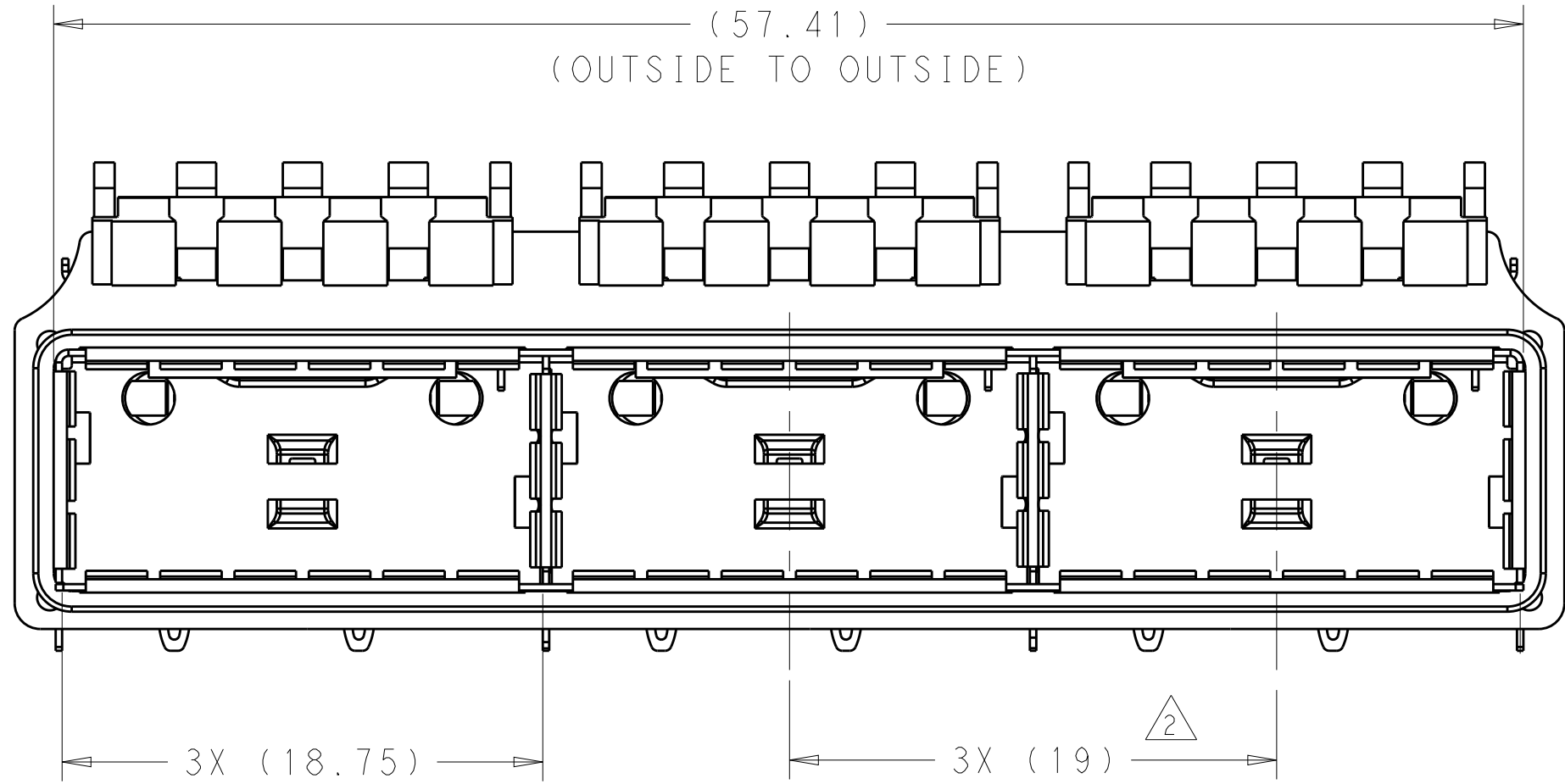
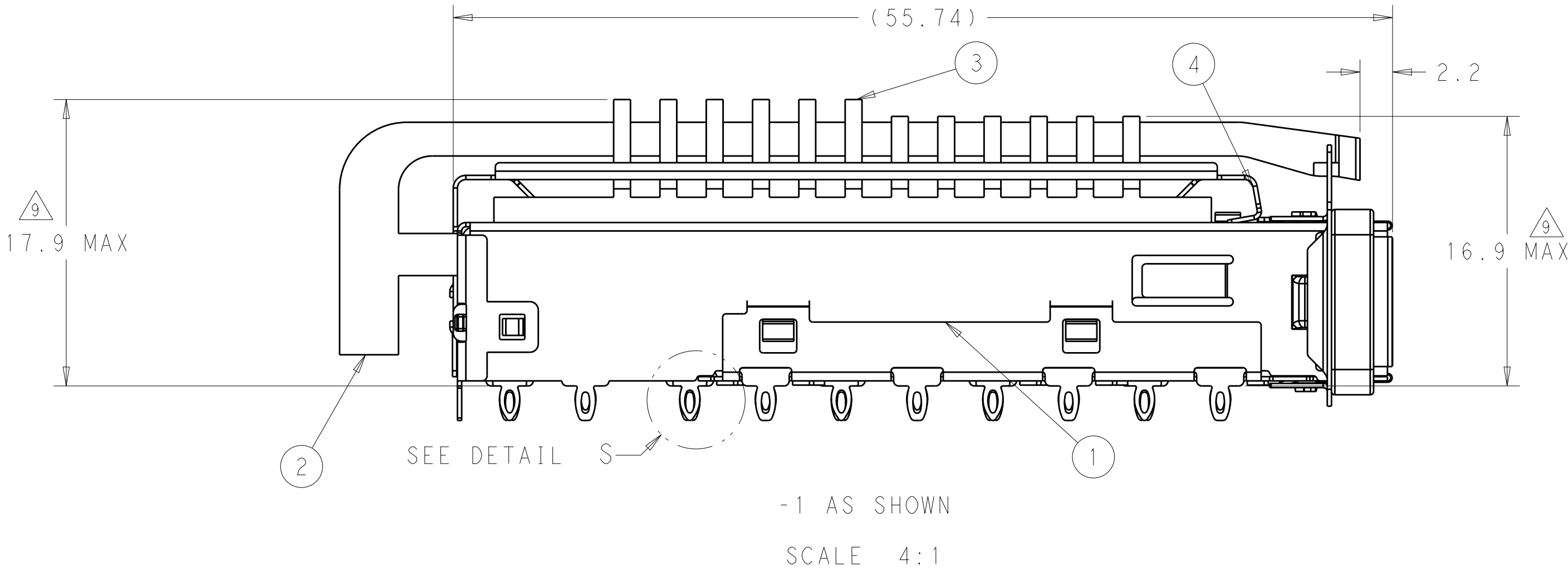
DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.

- 15

REFERENCE APP SPEC 114-13217 FOR GASKET THICKNESS CALCULATION.
- 16

EMI SPRING FINISH: 2um MINIMUM TIN
HEAT SINK FINISH: BLACK ANODIZED.
- 17

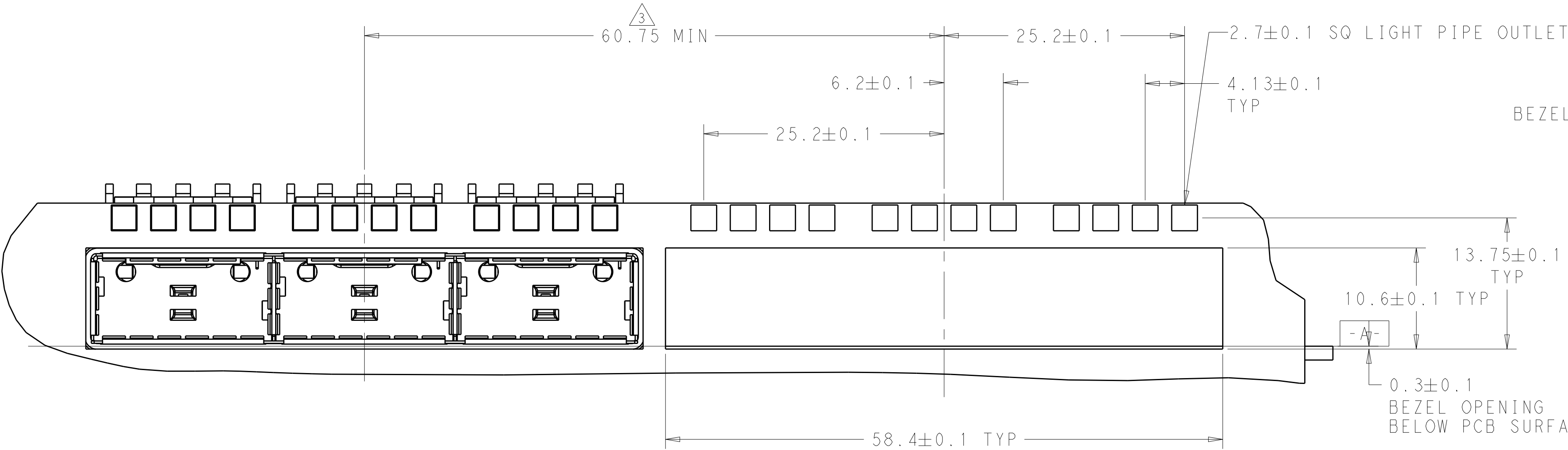
HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED. LIGHT PIPES, SHIPPED UNATTACHED, MUST BE ASSEMBLED BY CUSTOMER AFTER THE CAGE IS SEATED IN THE PCB.



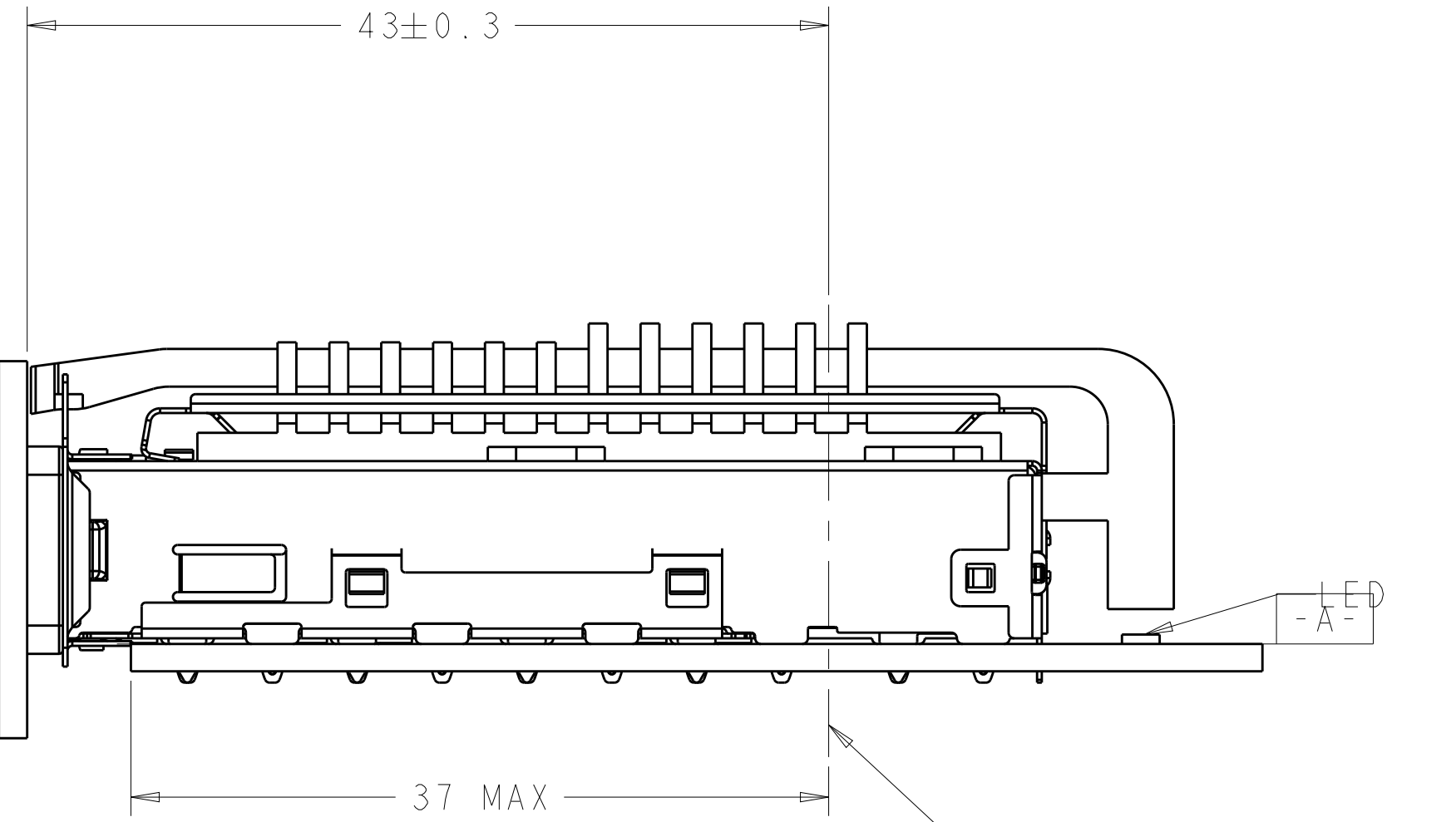
SOLID, SQUARE GASKET	WITHOUT LP	WITH HS	2170507-4
HOLLOW, ROUND GASKET	WITH LP	WITH HS	2170507-3
HOLLOW, ROUND GASKET	WITHOUT LP	WITHOUT HS	2170507-2
SOLID, SQUARE GASKET	WITH LP	WITH HS	2170507-1
GASKET	LIGHT PIPE	HEAT SINK	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 27MAR2013	TE Connectivity	
DIMENSIONS:		CHK ALEX CAI 27MAR2013		
mm		APVD ALEX CAI 27MAR2013	NAME 1X3 CAGE ASSEMBLY, THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS QSFP	
		PRODUCT SPEC 108-2286	SIZE A100779C=2170507	
		APPLICATION SPEC 114-13217		
MATERIAL		WEIGHT -	SCALE 1:1	
		CUSTOMER DRAWING		
			SHEET 1	OF 6
			REV A	

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

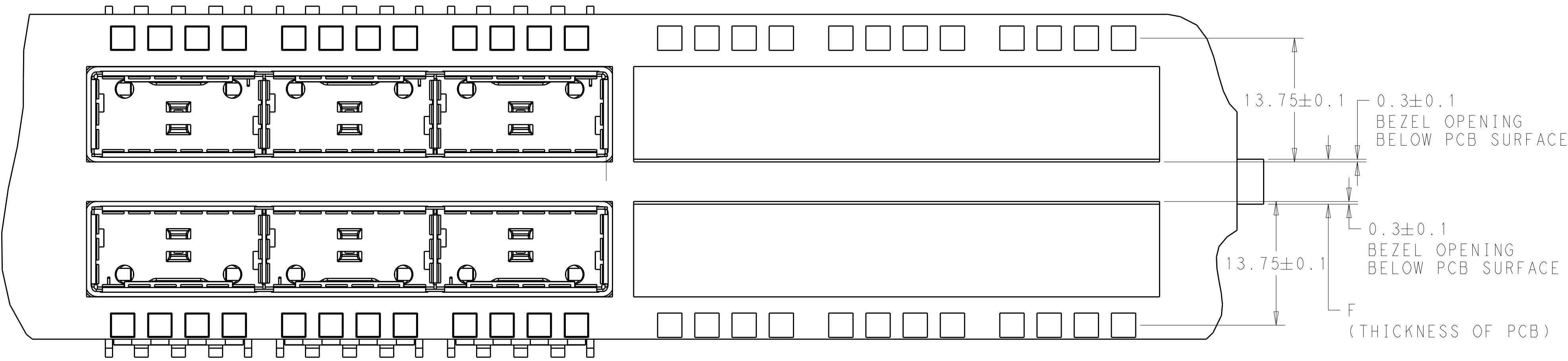


ONE SIDED CONFIGURATION
SCALE 3:1

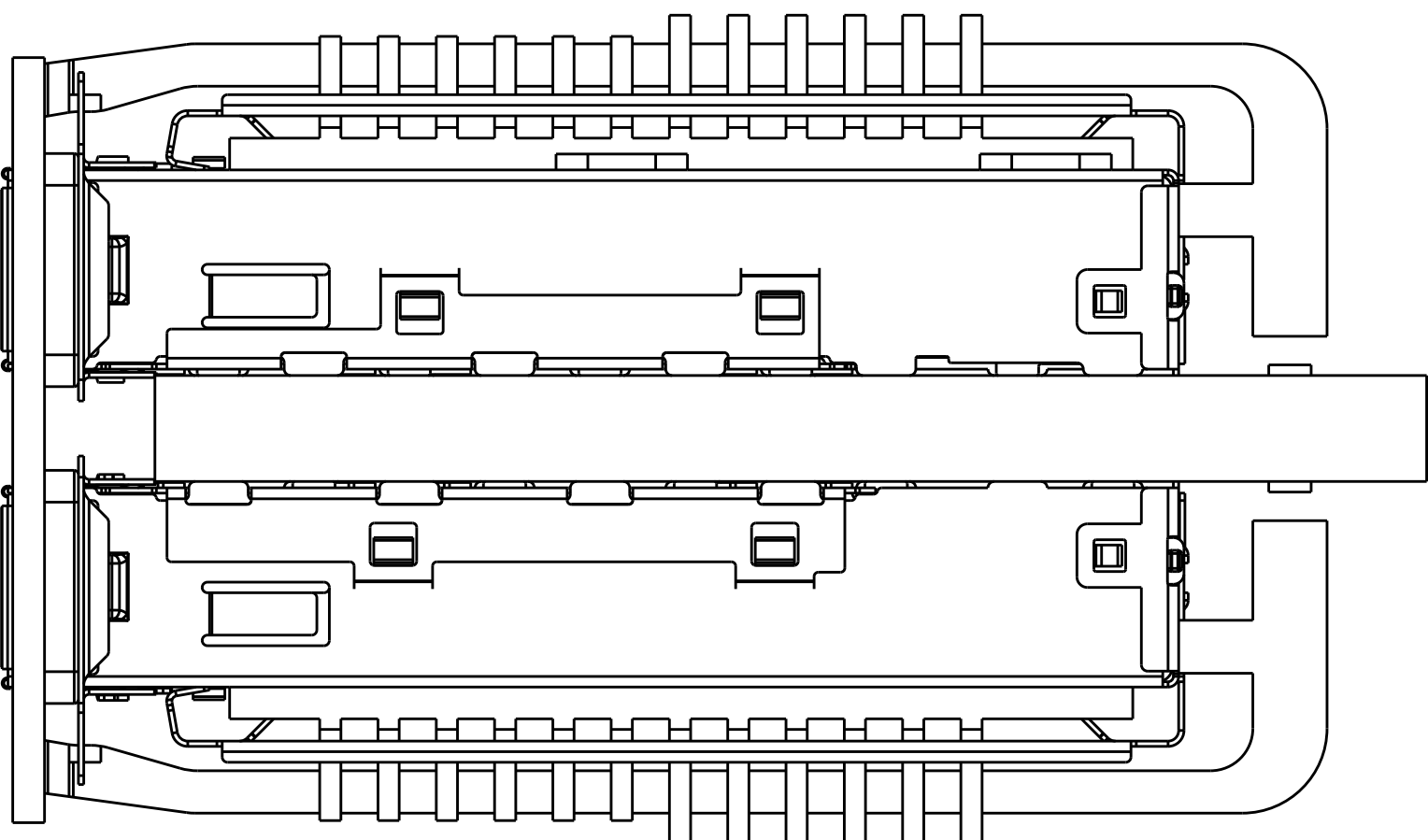


SCALE 3:1

CL OF CONNECTOR
GUIDE POSTS
PER SPEC

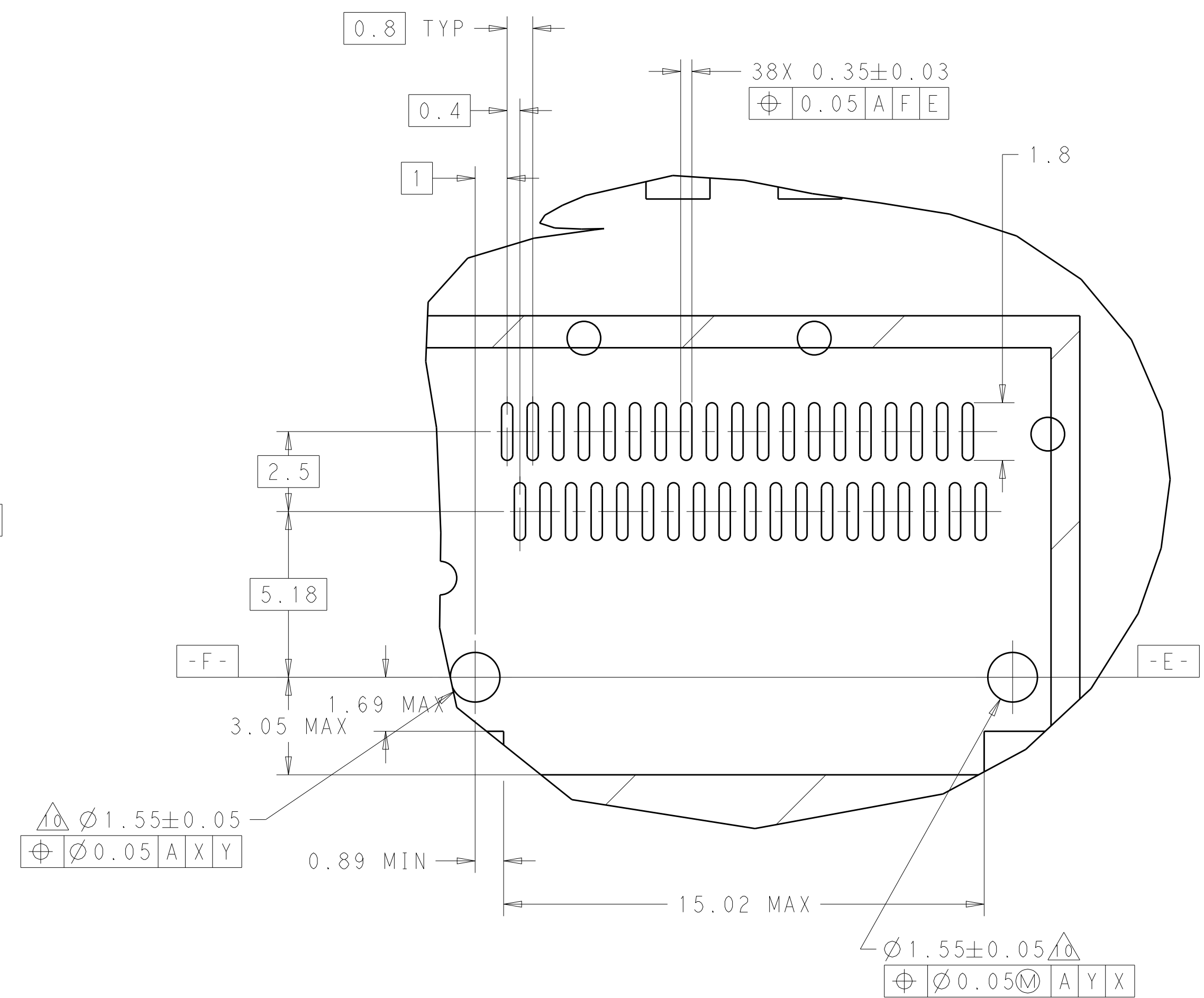


BELLY TO BELLY CONFIGURATION
SIMILAR TO ONE SIDED
EXCEPT WHERE NOTED
SCALE 3:1



SCALE 3:1

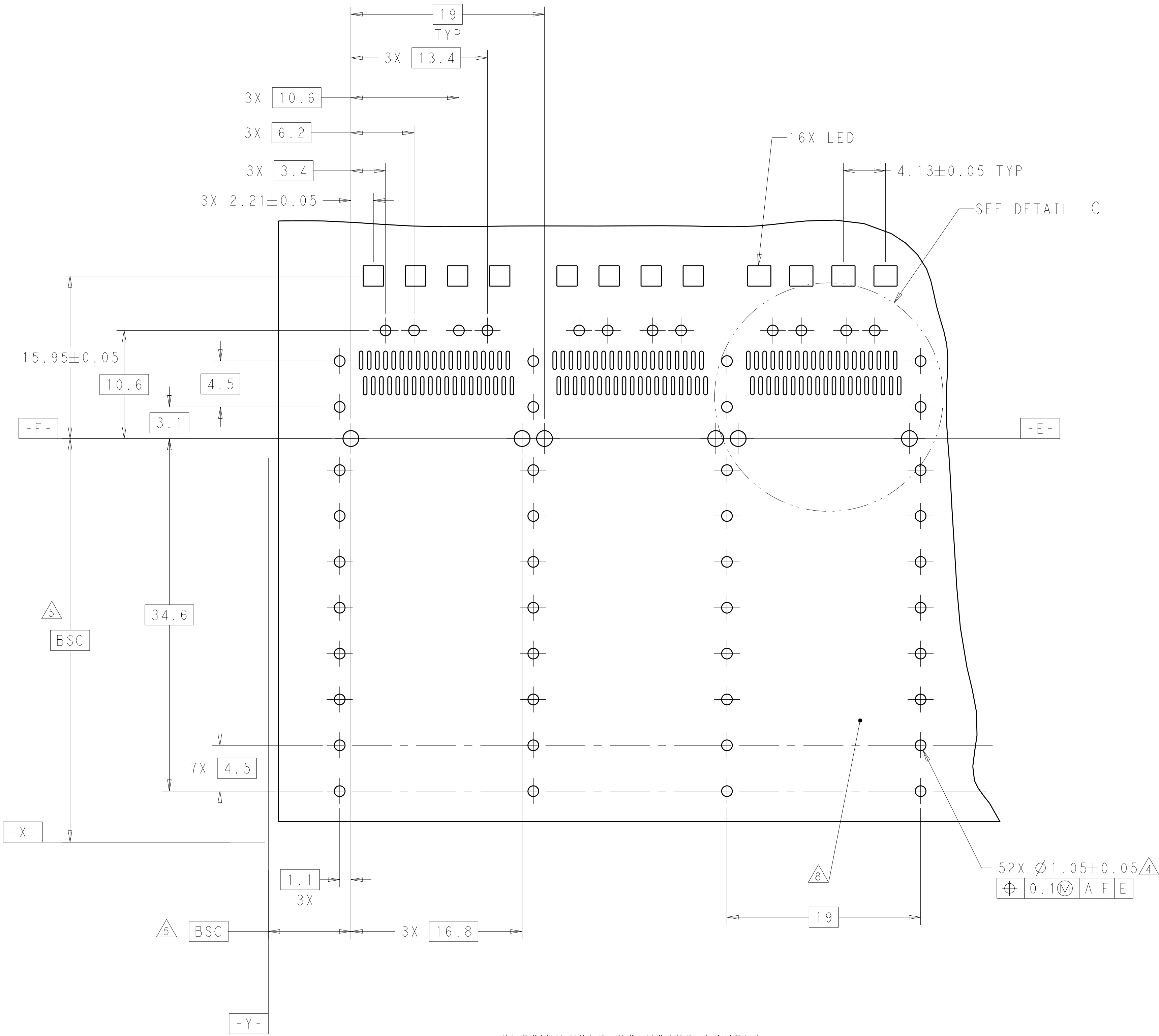
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 27MAR2013	TE Connectivity	
DIMENSIONS:		CHK ALEX CAI 27MAR2013		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 27MAR2013	NAME 1X3 CAGE ASSEMBLY, THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS QSFP	
	0 PLC ±	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
	1 PLC ±0.35	108-2286		
	2 PLC ±0.25	APPLICATION SPEC	RESTRICTED TO	
	3 PLC ±	114-13217		
MATERIAL		WEIGHT	A100779C=2170507	
FINISH		CUSTOMER DRAWING	SCALE 1:1 SHEET 2 OF 6 REV A	



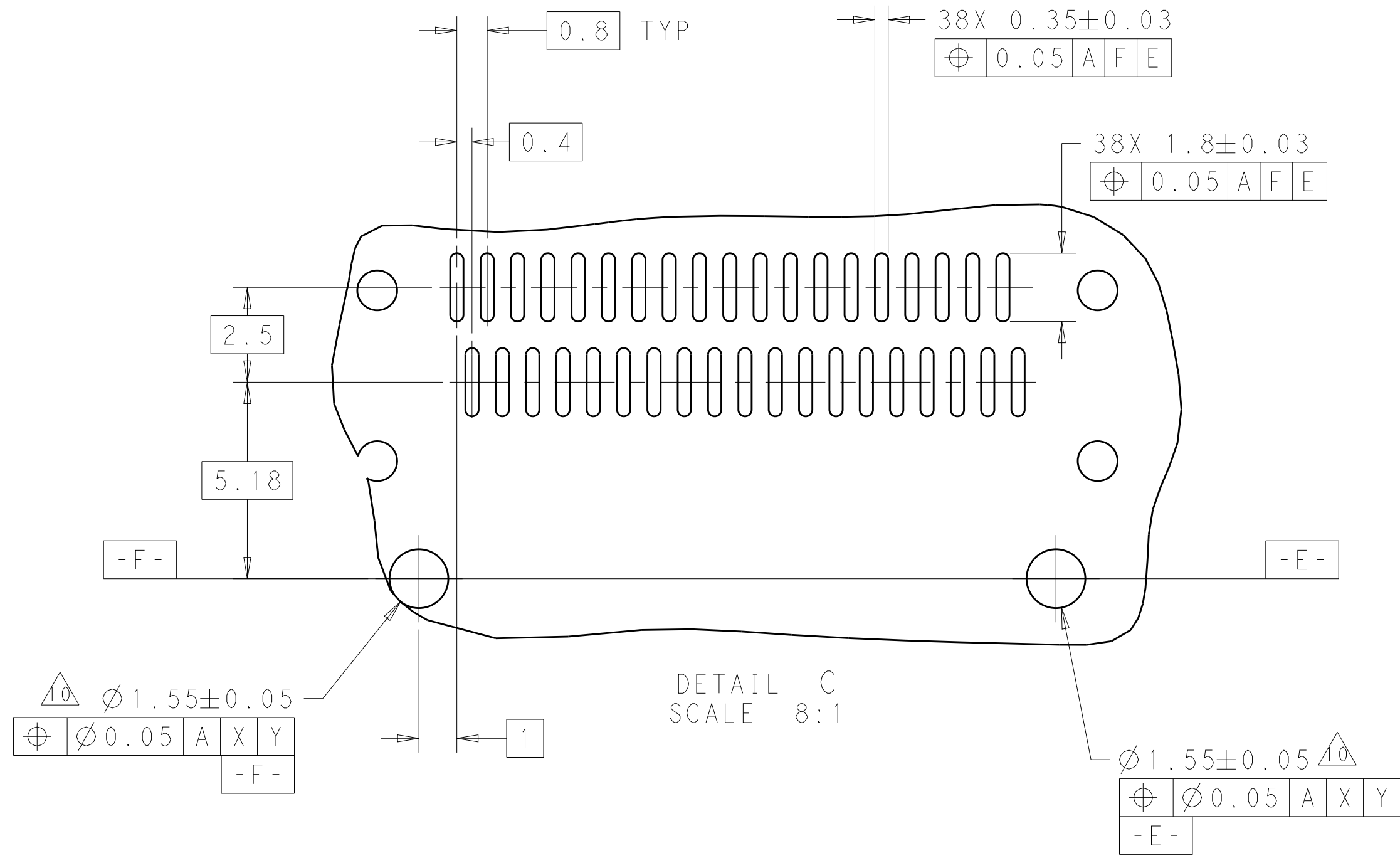
DETAIL A
SCALE 8:1

4805 (3/11)

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

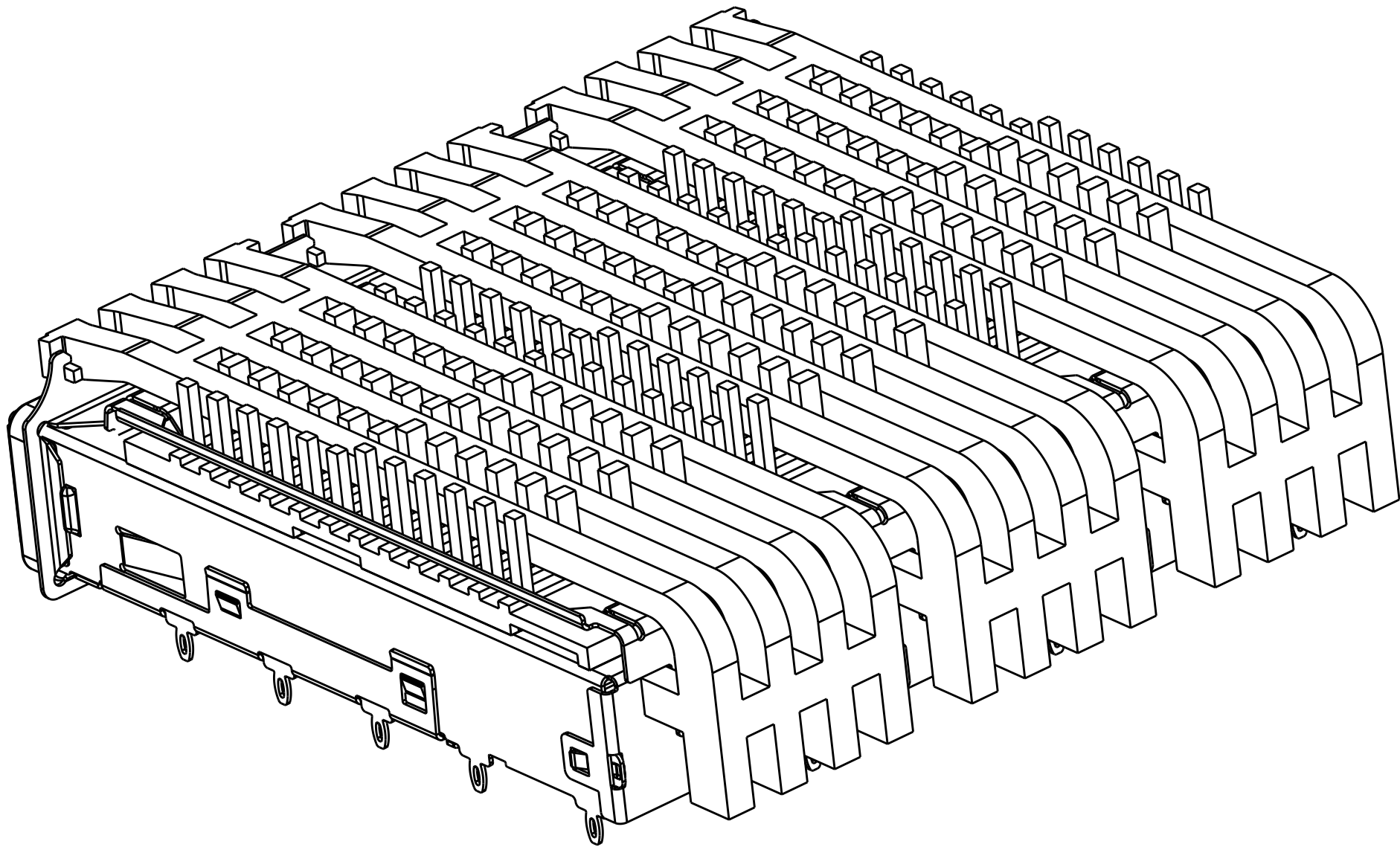


RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 3 FOR COMPONENT AND TRACE KEEP-OUTS
SCALE 4:1

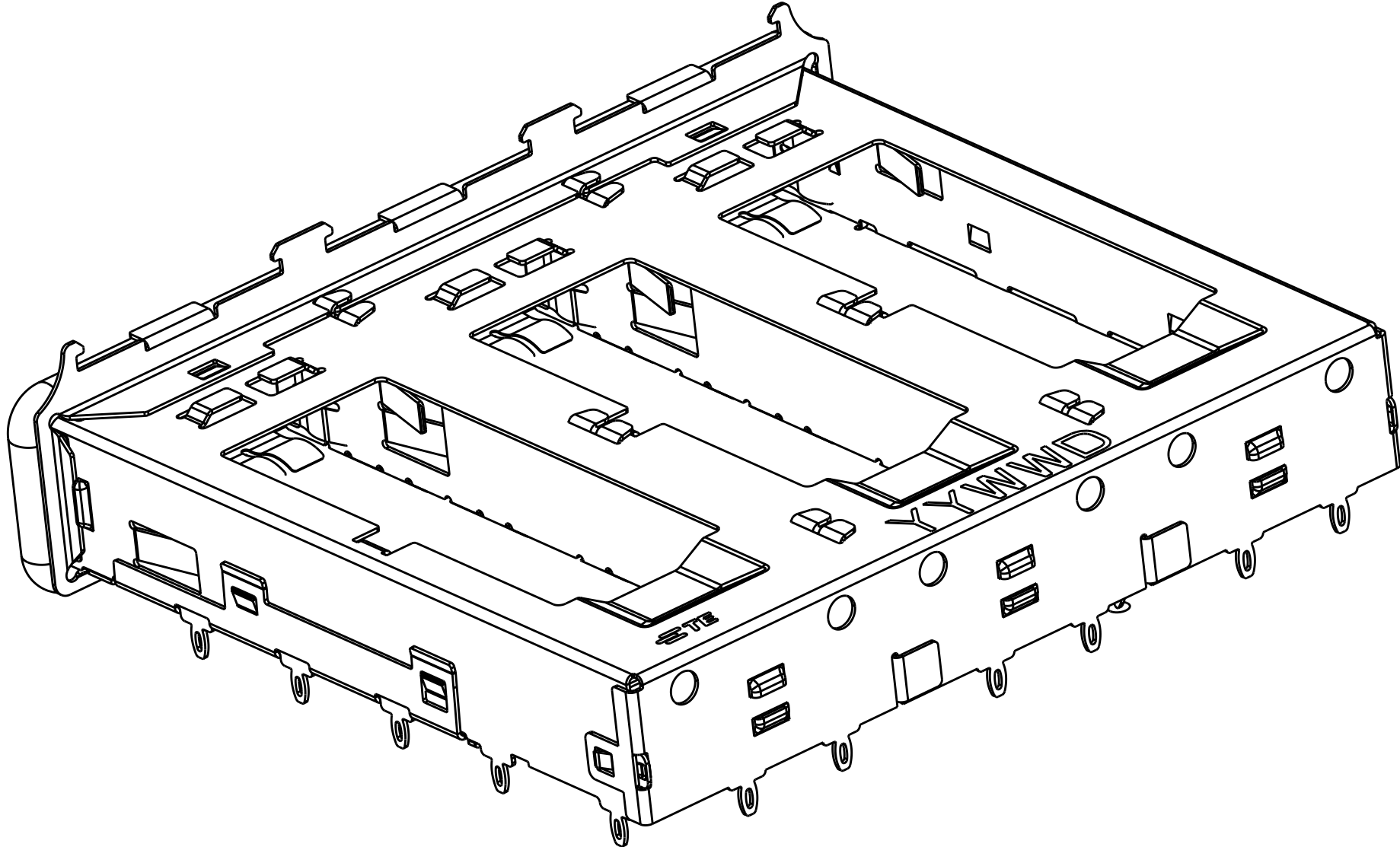


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TIM XUE	27MAR2013	 TE Connectivity						
DIMENSIONS:		CHK ALEX CAI	27MAR2013							
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI	27MAR2013	NAME	1X3 CAGE ASSEMBLY, THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS QSFP					
	0 PLC	±	PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
	1 PLC	±0.35	108-2286	A1	00779	C=2170507	-			
	2 PLC	±0.25	APPLICATION SPEC							
	3 PLC	±	114-13217							
MATERIAL	FINISH	WEIGHT	-							
CUSTOMER DRAWING			SCALE	1:1	SHEET	4	OF	6	REV	A

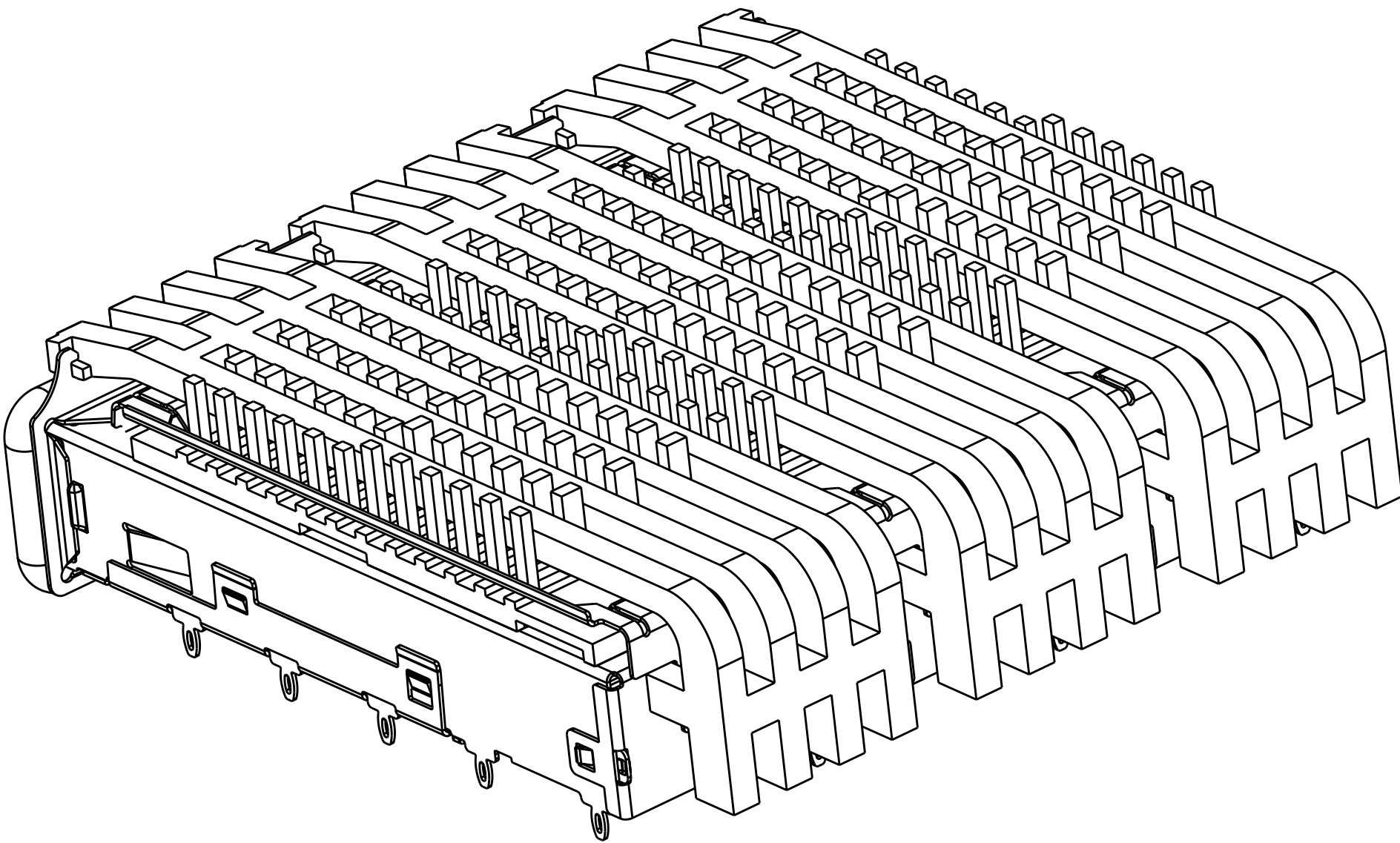
LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



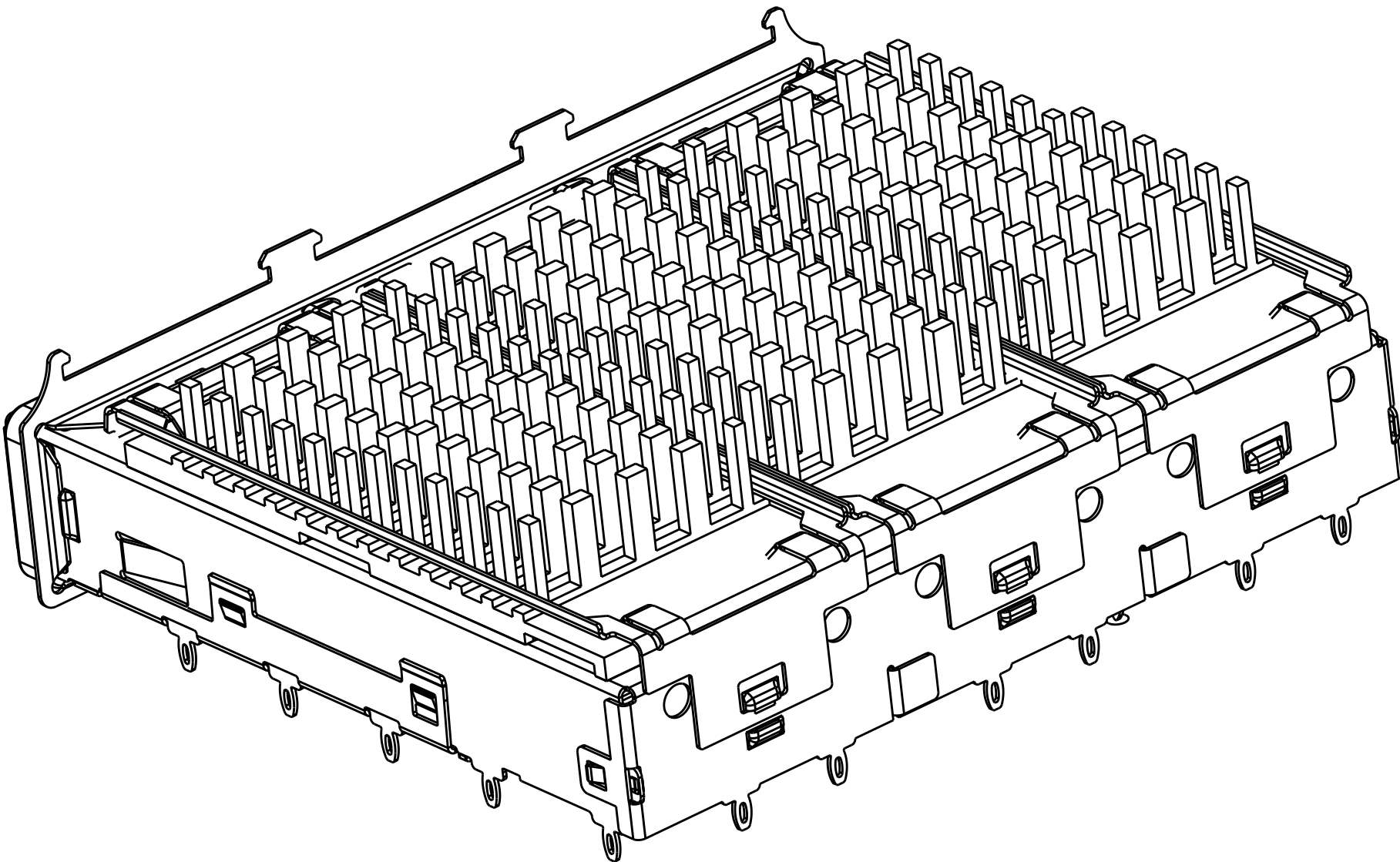
2170507-1 AS SHOWN
SCALE 3:1



2170507-2 AS SHOWN
SCALE 3:1



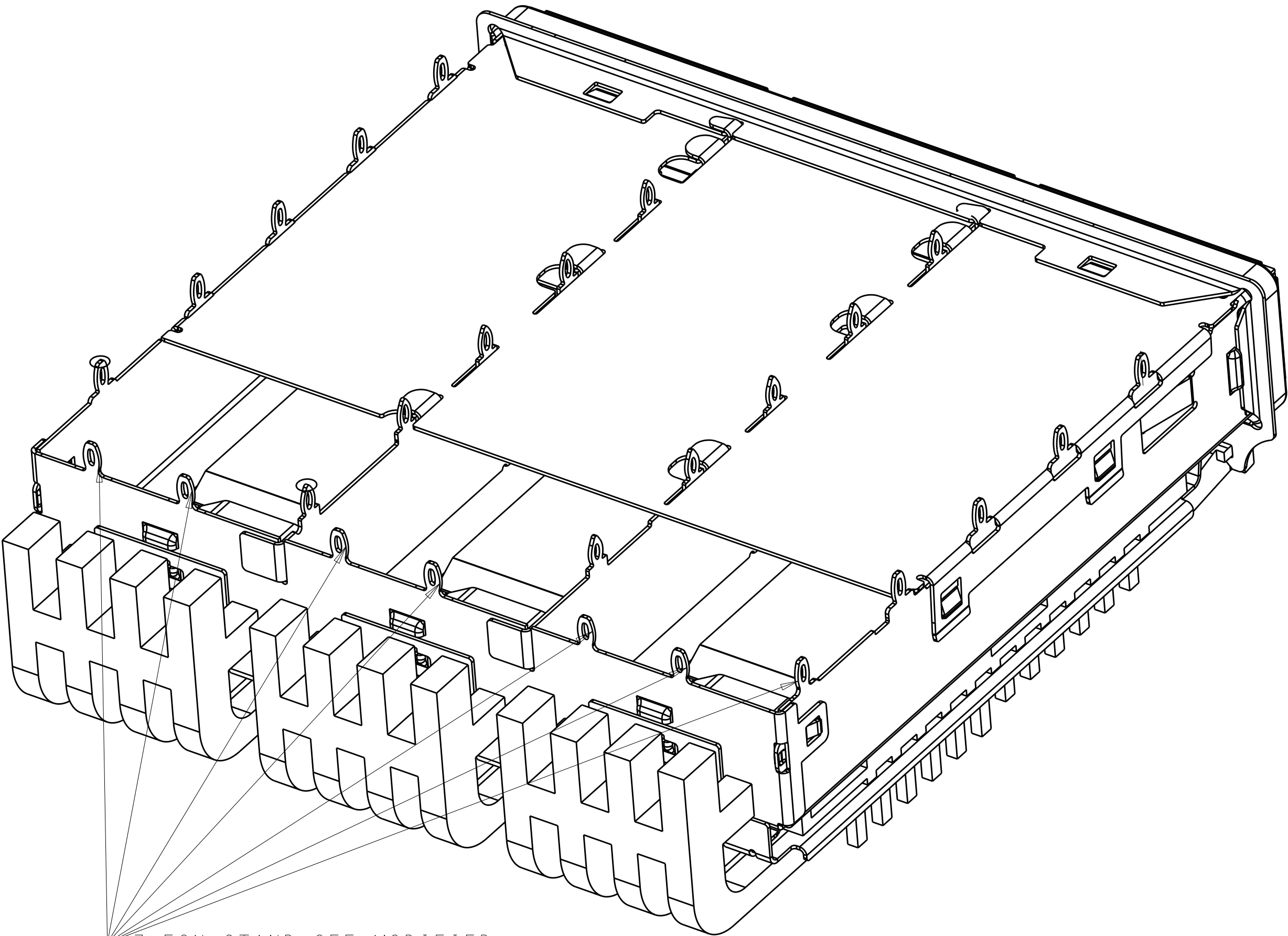
2170507-3 AS SHOWN
SCALE 3:1



2170507-4 AS SHOWN
SCALE 3:1

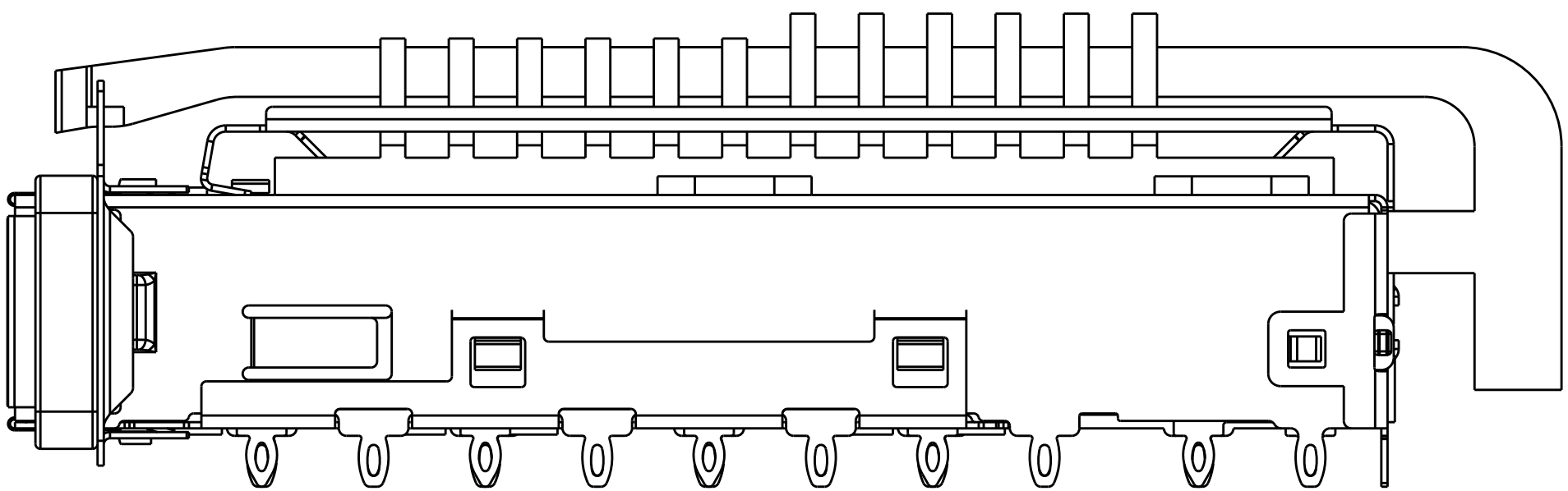
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TIM XUE	27MAR2013	TE Connectivity		
		CHKD	ALEX CAI	27MAR2013			
		APVD	ALEX CAI	27MAR2013	NAME	1X3 CAGE ASSEMBLY, THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS QSFP	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO
mm		0 PLC ±.1		108-2286	A1	00779	C=2170507
		1 PLC ±0.35		APPLICATION SPEC	RESTRICTED TO		
		2 PLC ±0.25		114-13217			
		3 PLC ±.1		WEIGHT			
		4 PLC ±.1		CUSTOMER DRAWING			
		ANGLES		SCALE	1:1	SHEET	5 OF 6
		FINISH		REV	A		

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

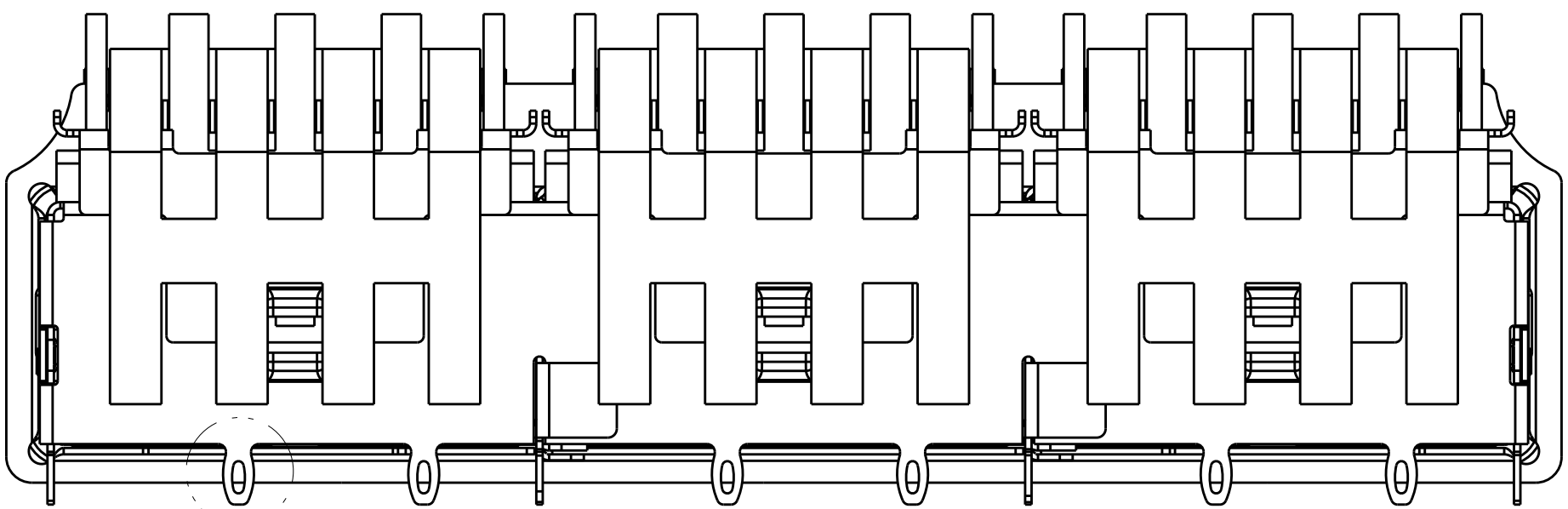


7 EON STAND OFF MODIFIED
AS DETAIL D

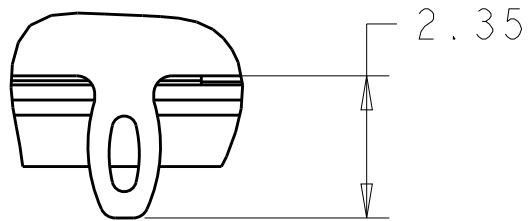
SCALE 4:1



SCALE 4:1



SEE DETAIL D



DETAIL D
SCALE 8:1

EXCEPT 7 EON STAND OFF MODIFICATION
THE OTHER FEATURES ARE SAME WITH 2170507-1

SOLID,SQUARE GASKET		WITH LP	WITH HS	2170507-5
GASKET		LIGHT PIPE	HEAT SINK	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TIM XUE 27MAR2013	 TE Connectivity	
		CHK ALEX CAI 27MAR2013		
DIMENSIONS:		APVD ALEX CAI 27MAR2013	NAME	
mm		PRODUCT SPEC	1X3 CAGE ASSEMBLY, THRU BEZEL W/ELASTOMERIC GASKET AND HEAT SINKS QSFP	
		108-2286		
		APPLICATION SPEC		
		114-13217		
		WEIGHT		
		-		
MATERIAL		CUSTOMER DRAWING		
		SCALE 1:1	SHEET 6 OF 6	
		REV A		



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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