

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-		A	RELEASE PER ECO-16-002978	3MAR2016	RG	SH

NOTES

- 1

SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL C, CONTACT PC BOARD.
- 2

PITCH BETWEEN PORTS OF ONE 1X4 CAGE.
- 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

UNPLATED THRU HOLE.
- 6

DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- 7

DATUM

-A-

 IS TOP SURFACE OF THE HOST BOARD.
- 8

DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD. MINIMUM PC BOARD THICKNESS:
SINGLE SIDED: 1.45mm
DOUBLE SIDED: 3mm PER QSFP
- 9

MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- 10

BASELINE FOR THE DIMENSION IS CENTER OF COMPLIANT PIN HOLE.
- 11

DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- 12

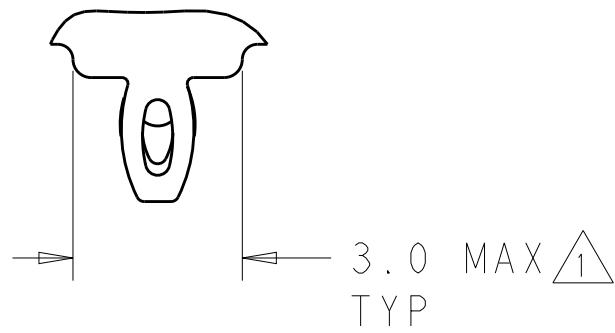
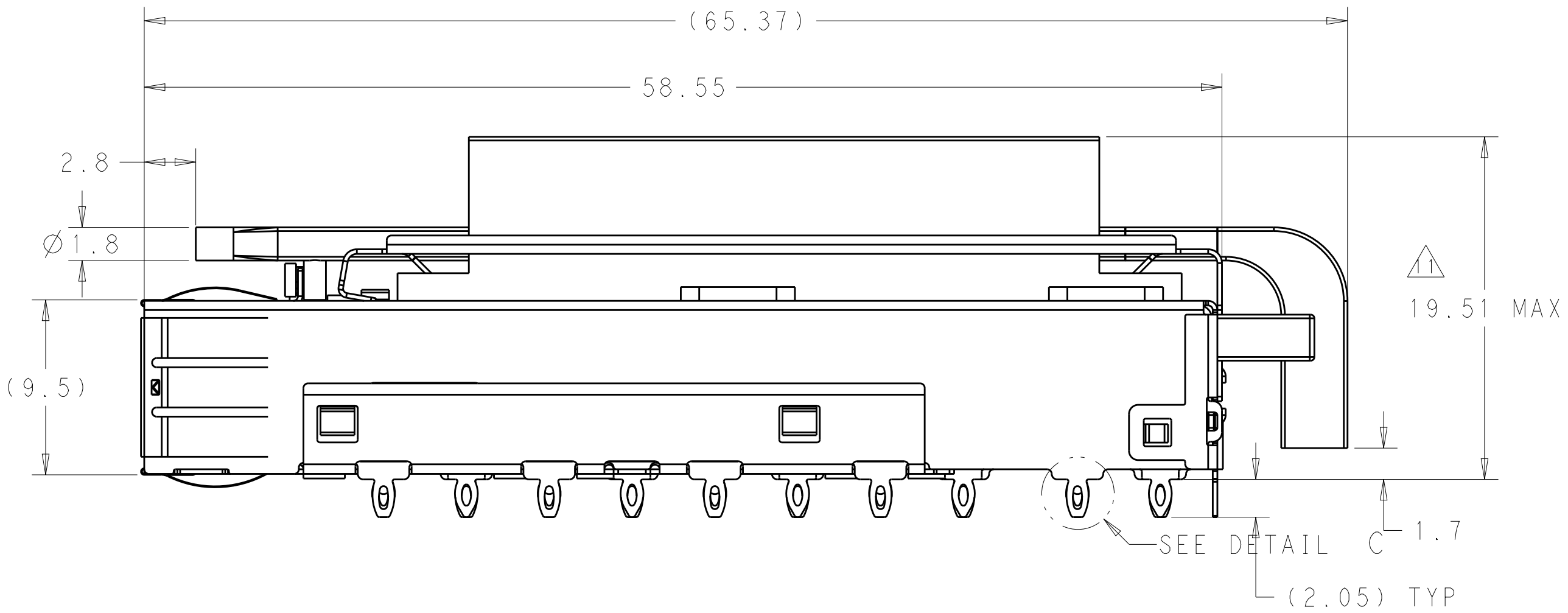
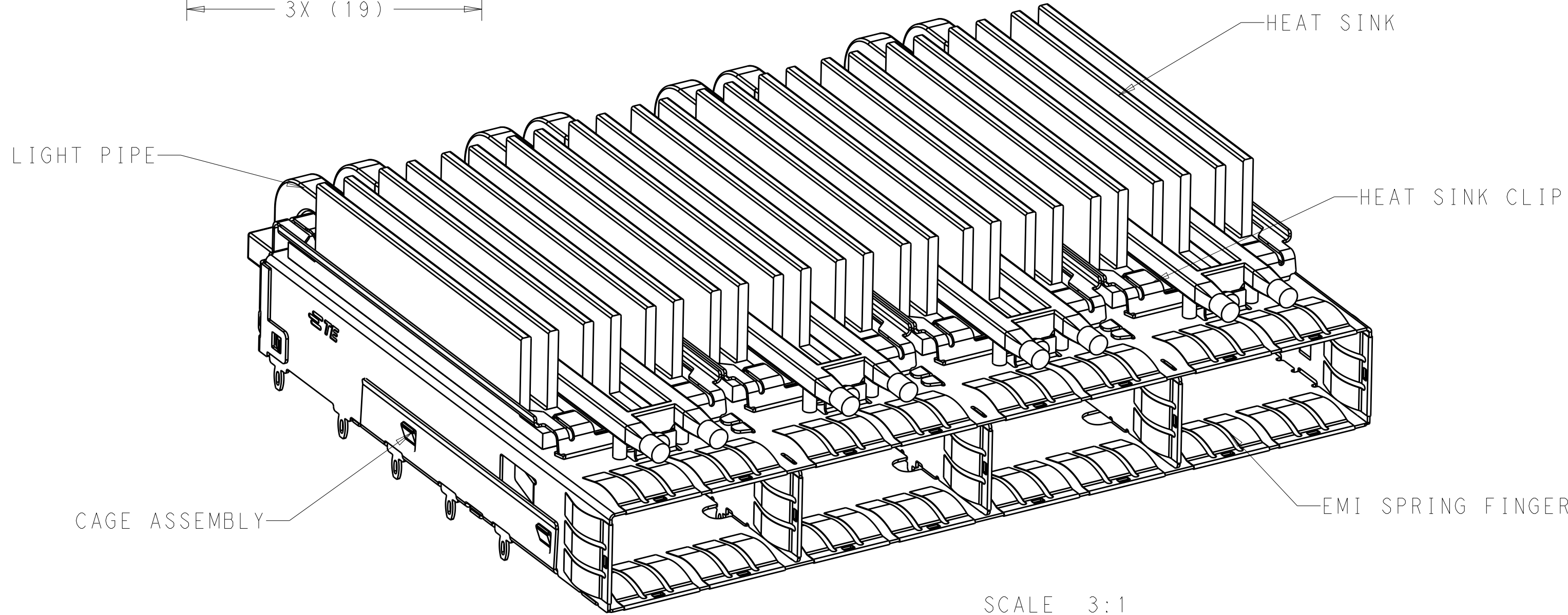
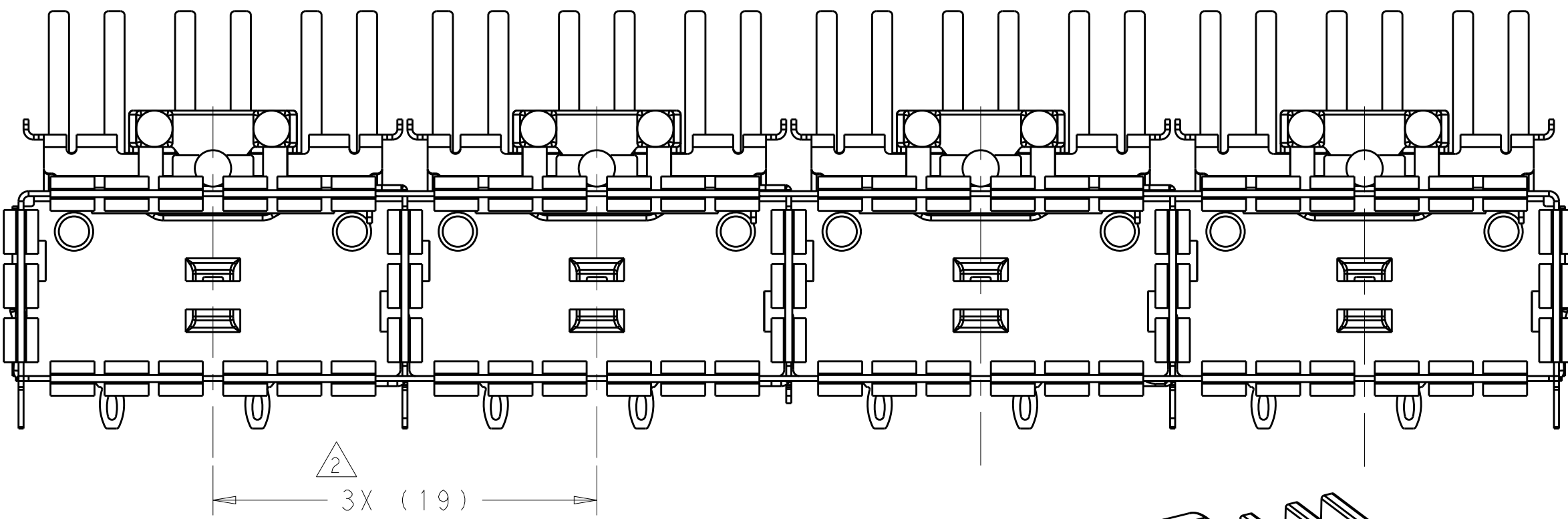
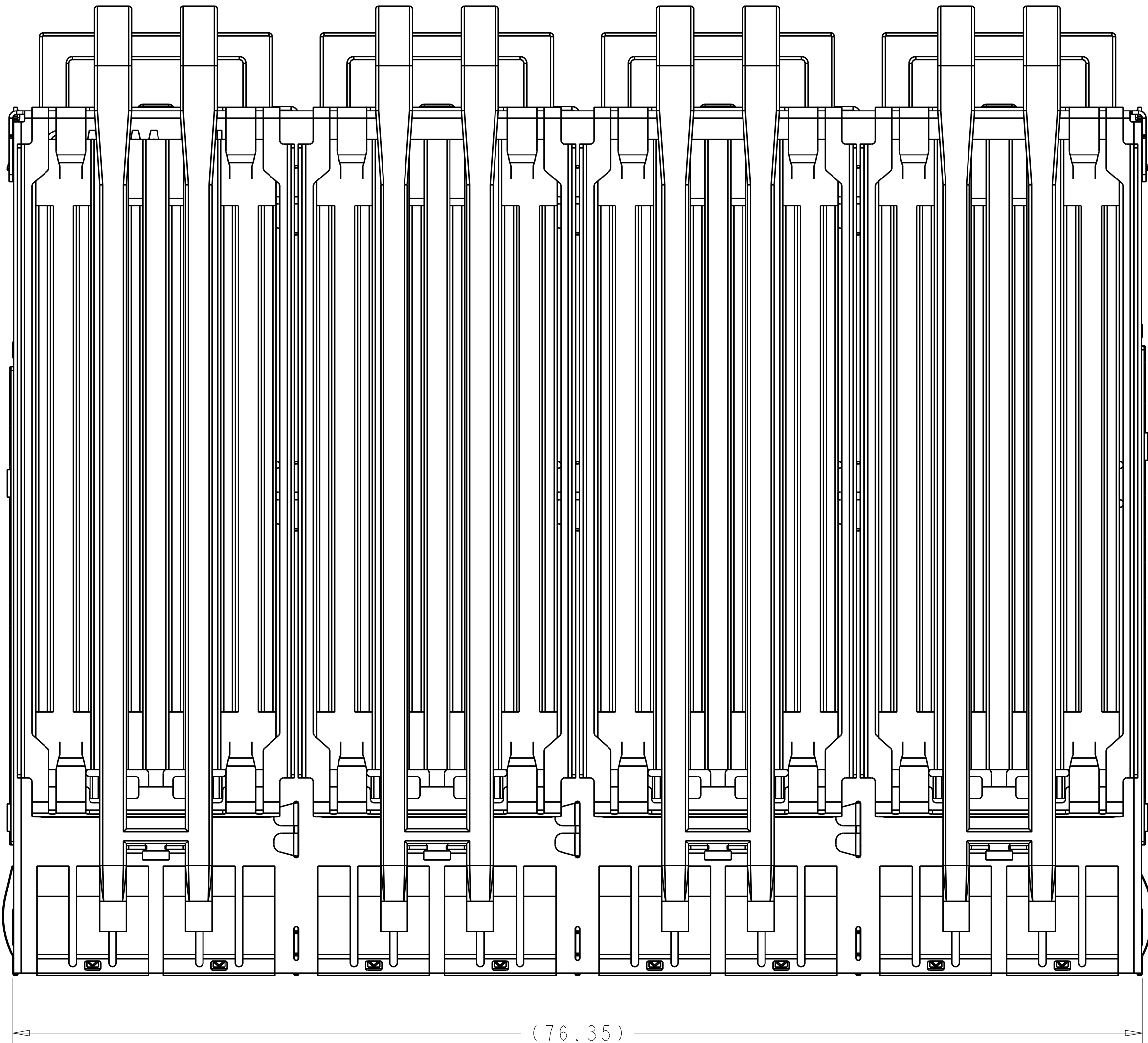
MATERIAL:
CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK
EMI SPRINGS: COPPER ALLOY
HEAT SINK: ALUMINUM
HEAT SINK CLIP: STAINLESS STEEL
LIGHT PIPE: CLEAR POLYCARBONATE
- 13

FINISH:
EMI SPRINGS: 2um MINIMUM TIN
HEAT SINK: BLACK ANODIZE
- 14

THESE HOLES ARE OPTIONAL WHEN THE REAR PINS ARE REMOVED.
- 15

ORGANIZER APPLIED TO 2170378-3 ONLY.
- 16

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

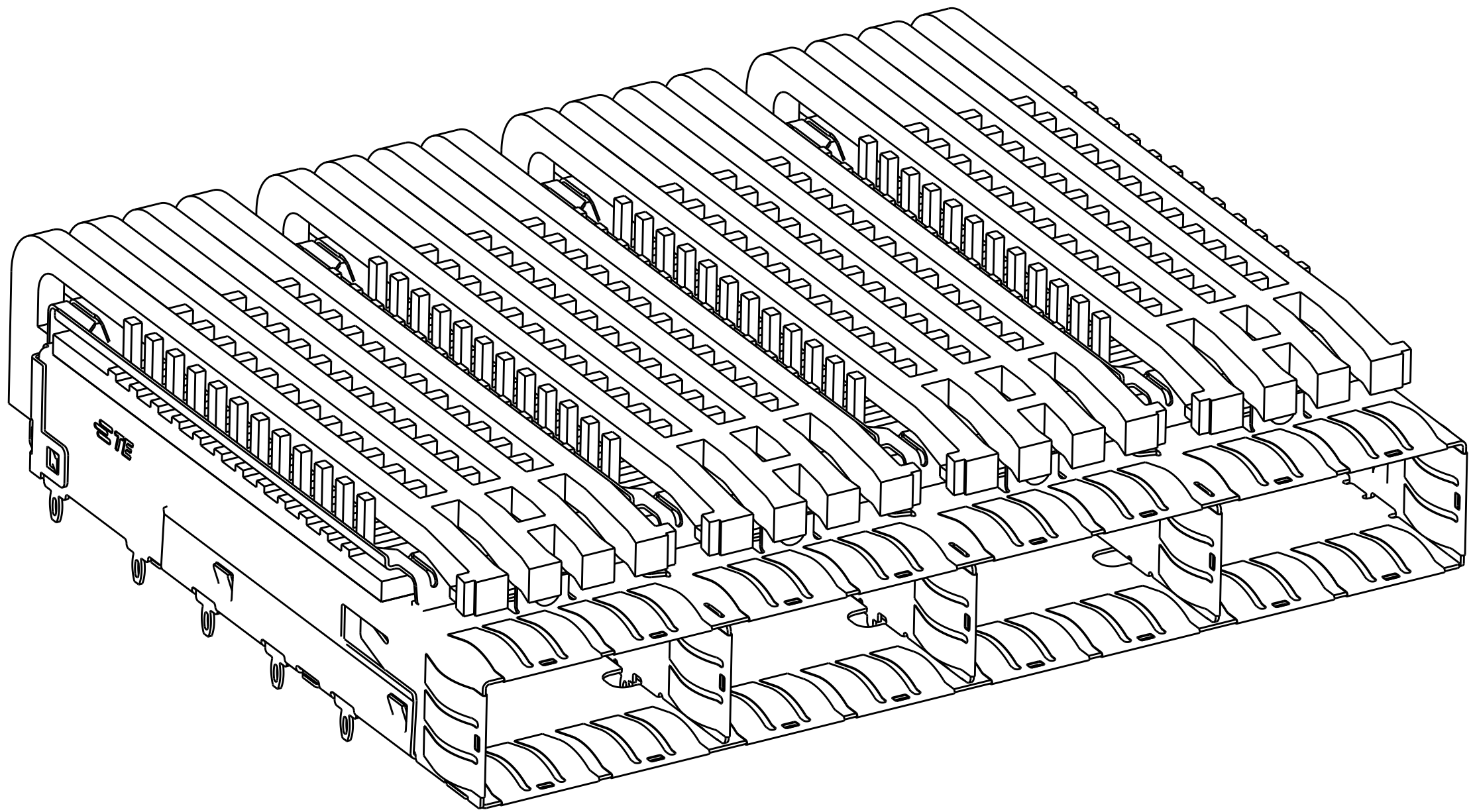
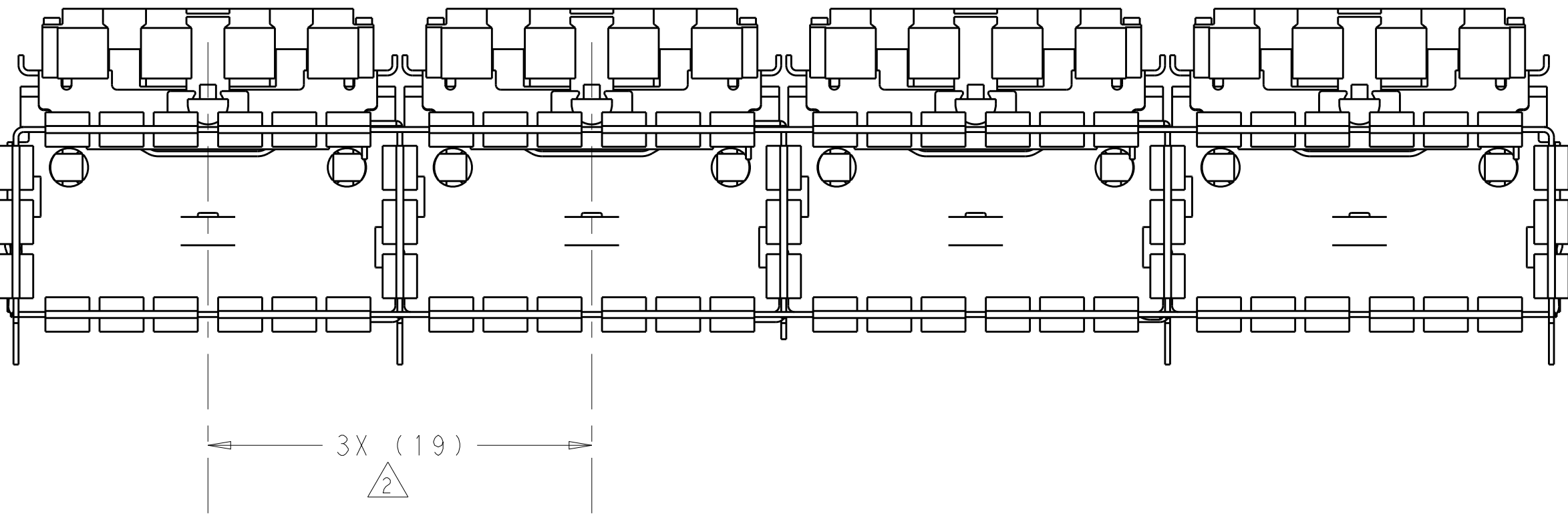
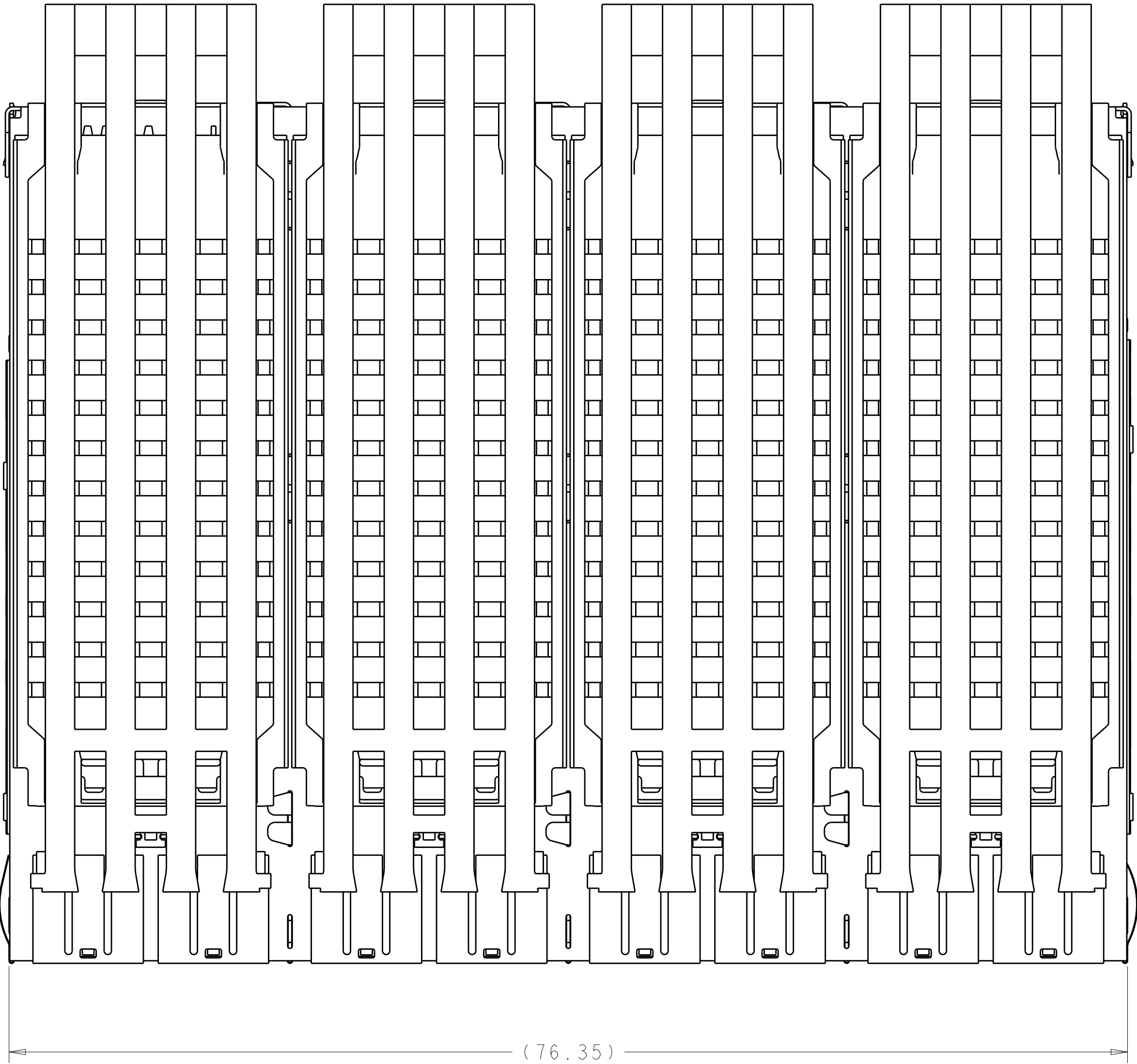


DETAIL C
SCALE 8:1

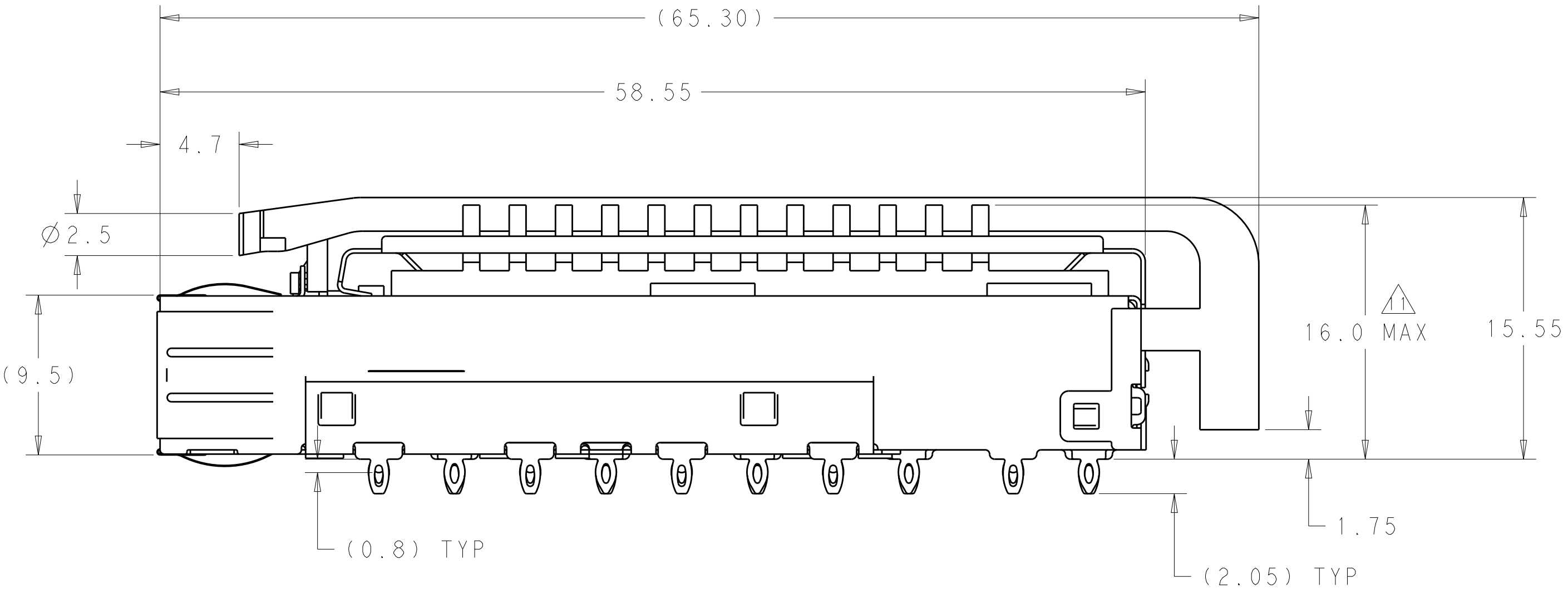
2170378-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 16JUL2012	 TE Connectivity		NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, OSFP	RESTRICTED TO: -
DIMENSIONS: mm		CHK: ALEX CAI 16JUL2012				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: ALEX CAI 16JUL2012	PRODUCT SPEC		SIZE: A1	CAGE CODE: 00779
0 PLC ±0.25		108-2286		DRAWING NO: C=2170378		
1 PLC ±0.20		APPLICATION SPEC		WEIGHT: -		SCALE: 4:1
2 PLC ±0.20		114-13217		SHEET 1 OF 8		
3 PLC ±0.20		CUSTOMER DRAWING		REV: A		
4 PLC ±0.20						
ANGLES ±0.5						
FINISH						

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



SCALE 3:1

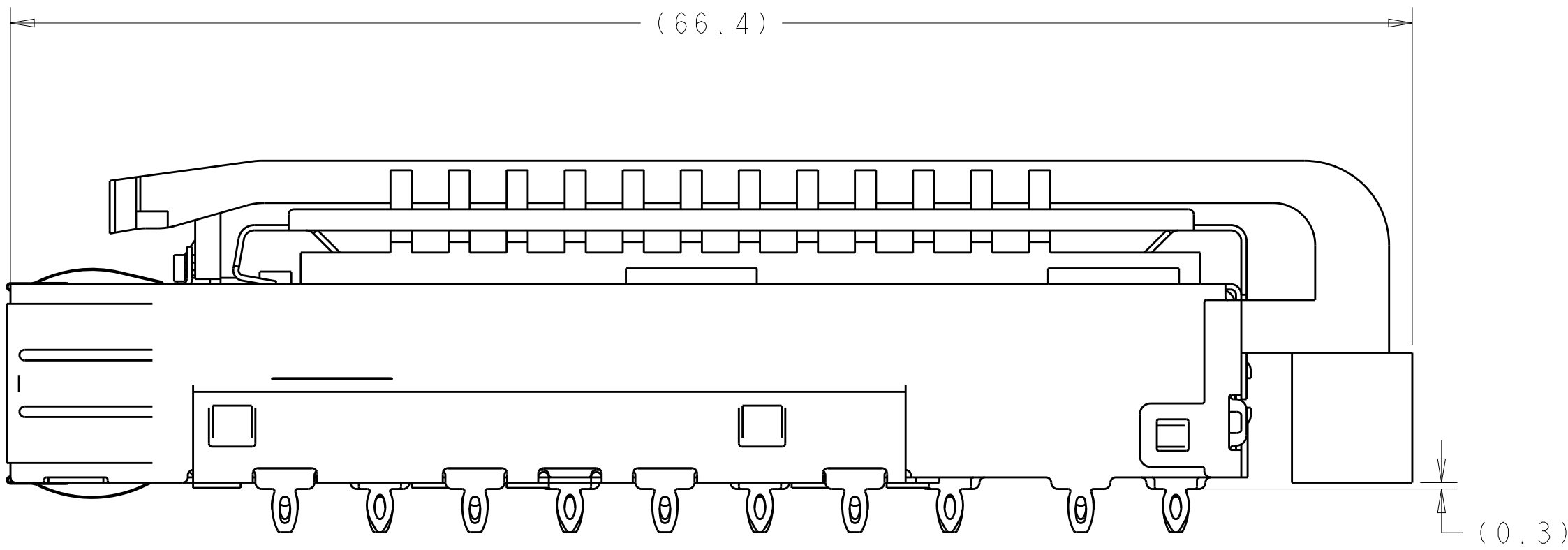
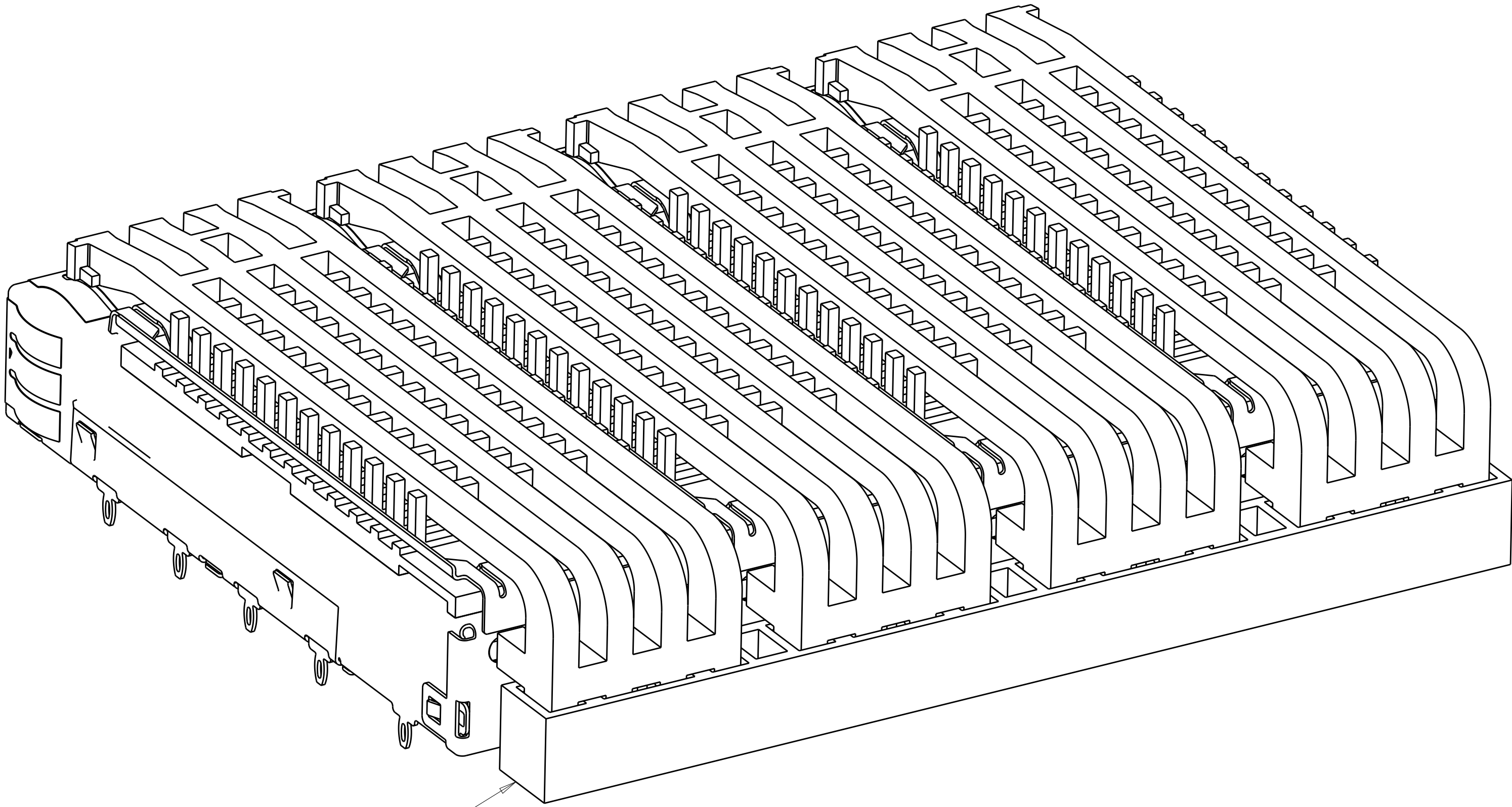


SECTION M-M

2170387-2
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: JASON YANG 16JUL2012	NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, QSFP	
DIMENSIONS:		CHK: ALEX CAI 16JUL2012		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD: ALEX CAI 16JUL2012	PRODUCT SPEC	
	0 PLC ±.1		108-2286	
	1 PLC ±0.25		APPLICATION SPEC	
	2 PLC ±0.20		114-13217	
	3 PLC ±.1		WEIGHT	
	4 PLC ±.1		CUSTOMER DRAWING	
	ANGLES ±.1		SCALE 4:1 SHEET 2 OF 8 REV A	
MATERIAL	FINISH		RESTRICTED TO	
-	-		A100779C=2170378	

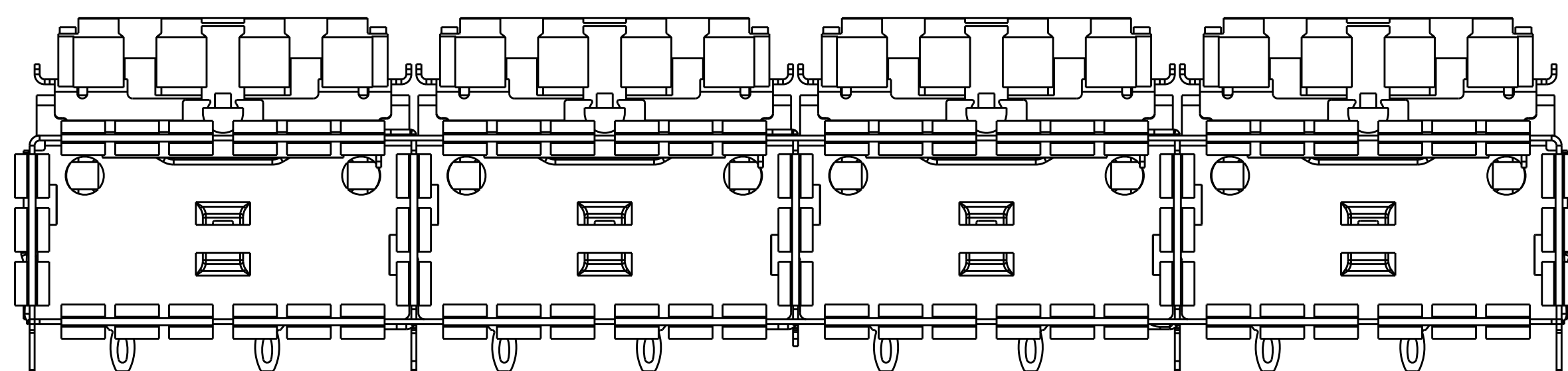
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



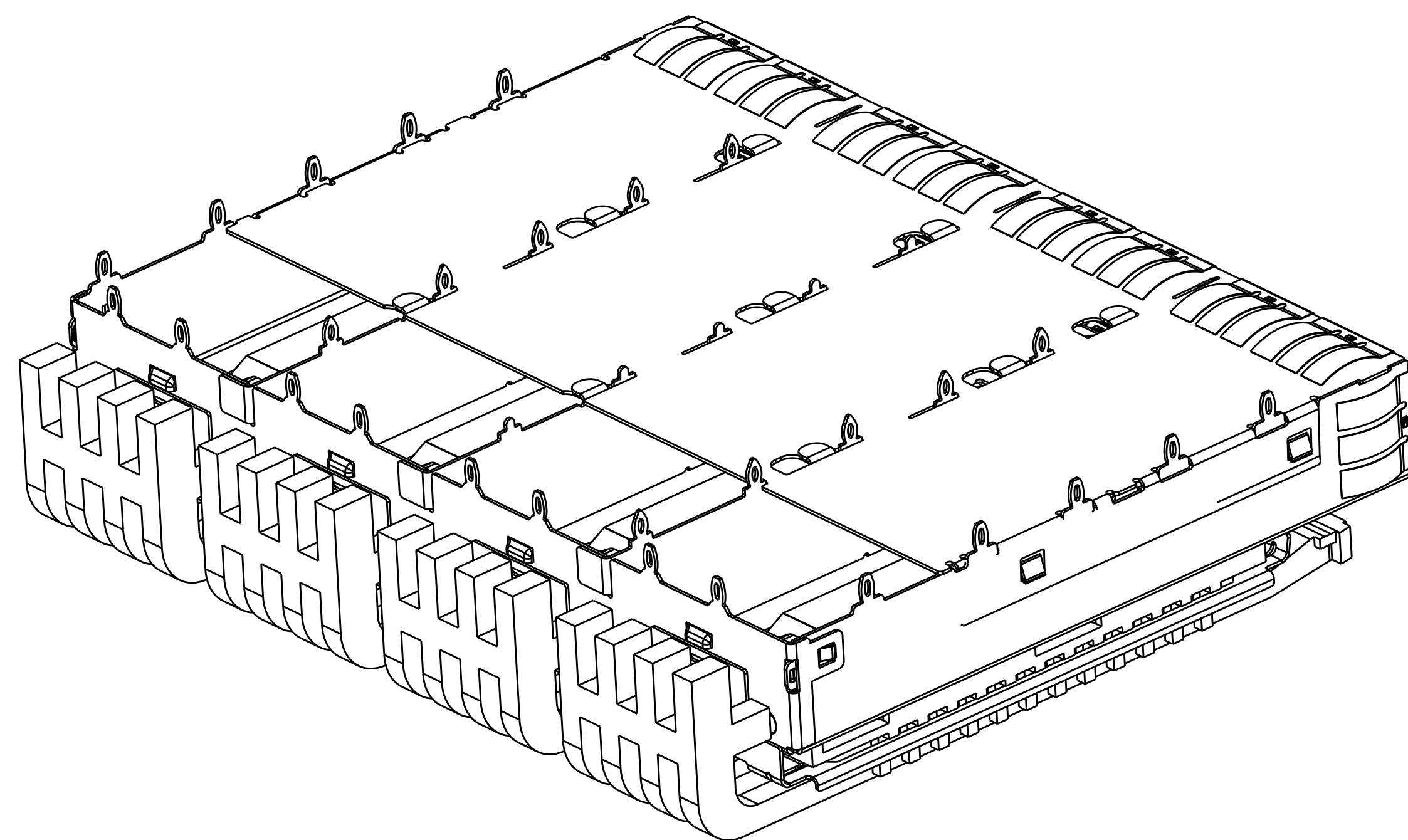
SCALE 4:1
REFER TO 2170378-2 FOR DIMENSIONS UNSPECIFIED.

2170378-3
PART NUMBER

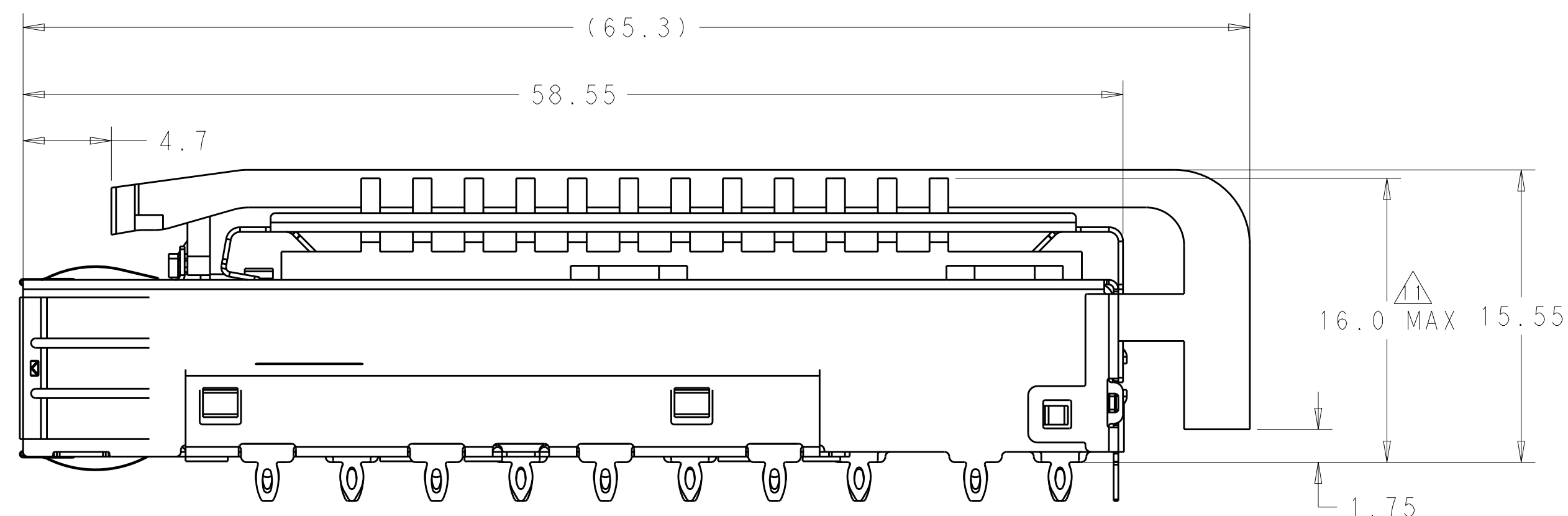
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JASON YANG 16JUL2012	 TE Connectivity		
DIMENSIONS:		CHK ALEX CAI 16JUL2012			
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ALEX CAI 16JUL2012	NAME	1X4 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, OSFP	
	0 PLC	±	PRODUCT SPEC	RESTRICTED TO	
	1 PLC	±0.25	108-2286		
	2 PLC	±0.20	APPLICATION SPEC		
	3 PLC	±	114-13217		
MATERIAL	ANGLES	±	SIZE	CAGE CODE	DRAWING NO
-	FINISH	-	A1	00779	C=2170378
		WEIGHT	CUSTOMER DRAWING		
			SCALE	4:1	SHEET 3 OF 8
			REV A		

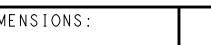


2170378-4
PART NUMBER

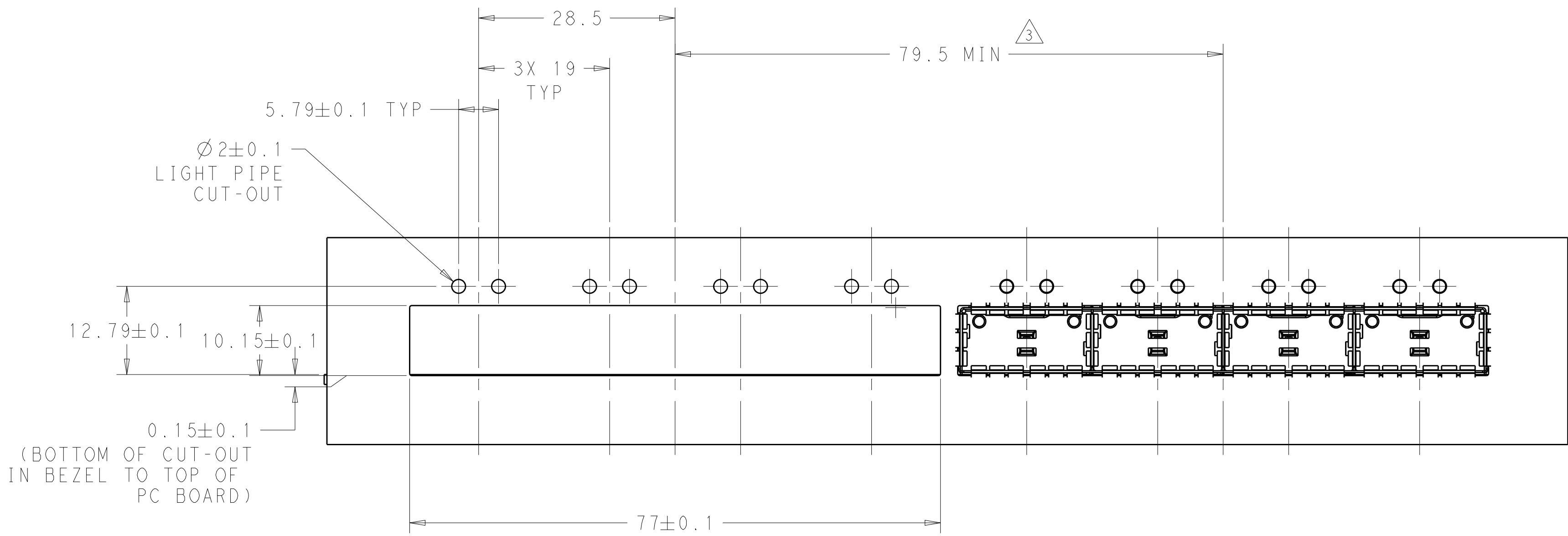


SCALE 3:1

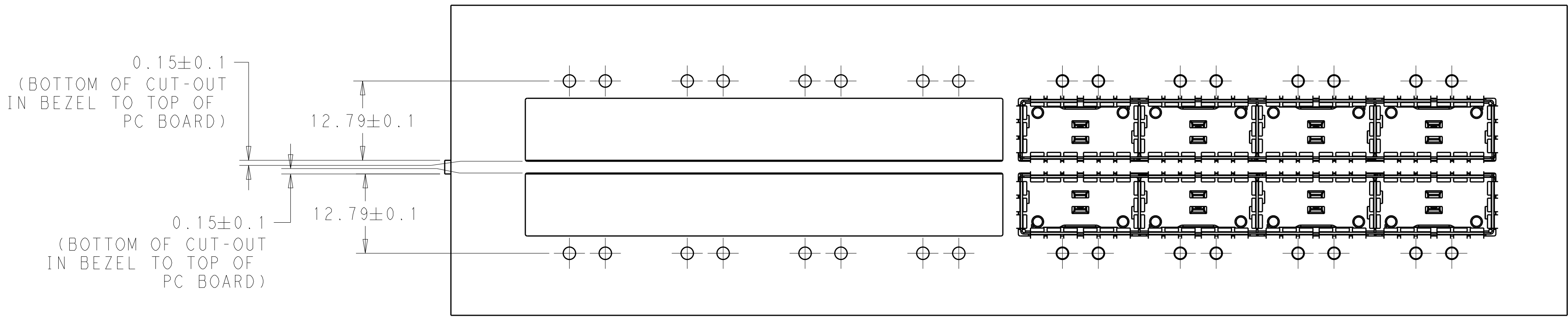
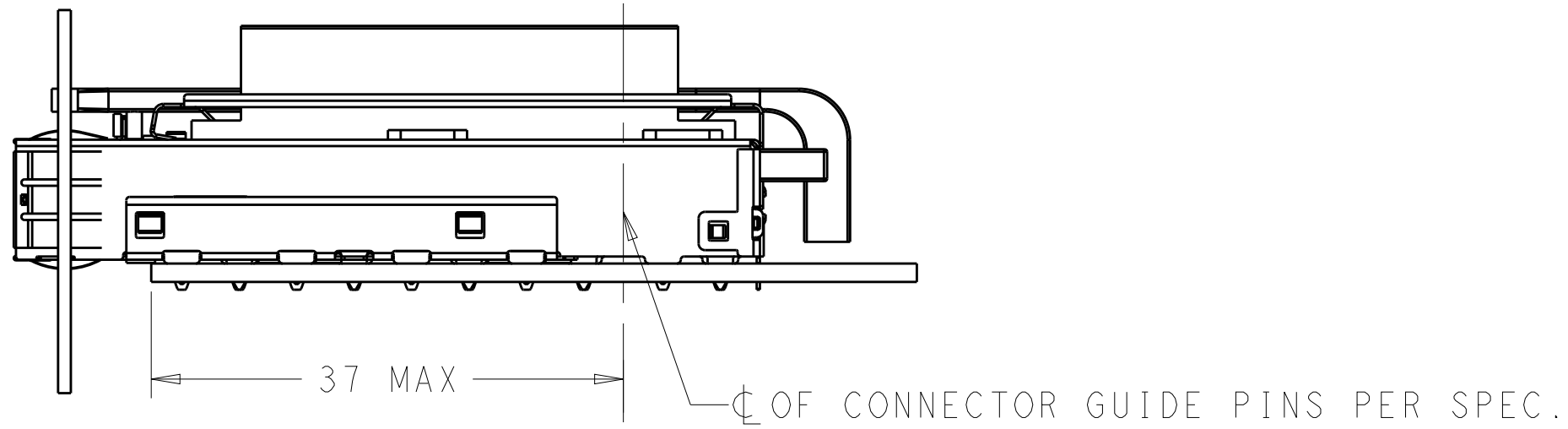


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 16JUL2012 JASON YANG CHN 16JUL2012 ALEX CAI APVD 16JUL2012 ALEX CAI		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±0.25 2 PLC ±0.20 3 PLC ±.1 4 ANGLES ±.1		NAME 1X4 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, QSFP	
MATERIAL -		FINISH -		WEIGHT -	
CUSTOMER DRAWING		SIZE A1		CAGE CODE C=2170378	
SCALE 4:1		SHEET 4 OF 8		REV A	

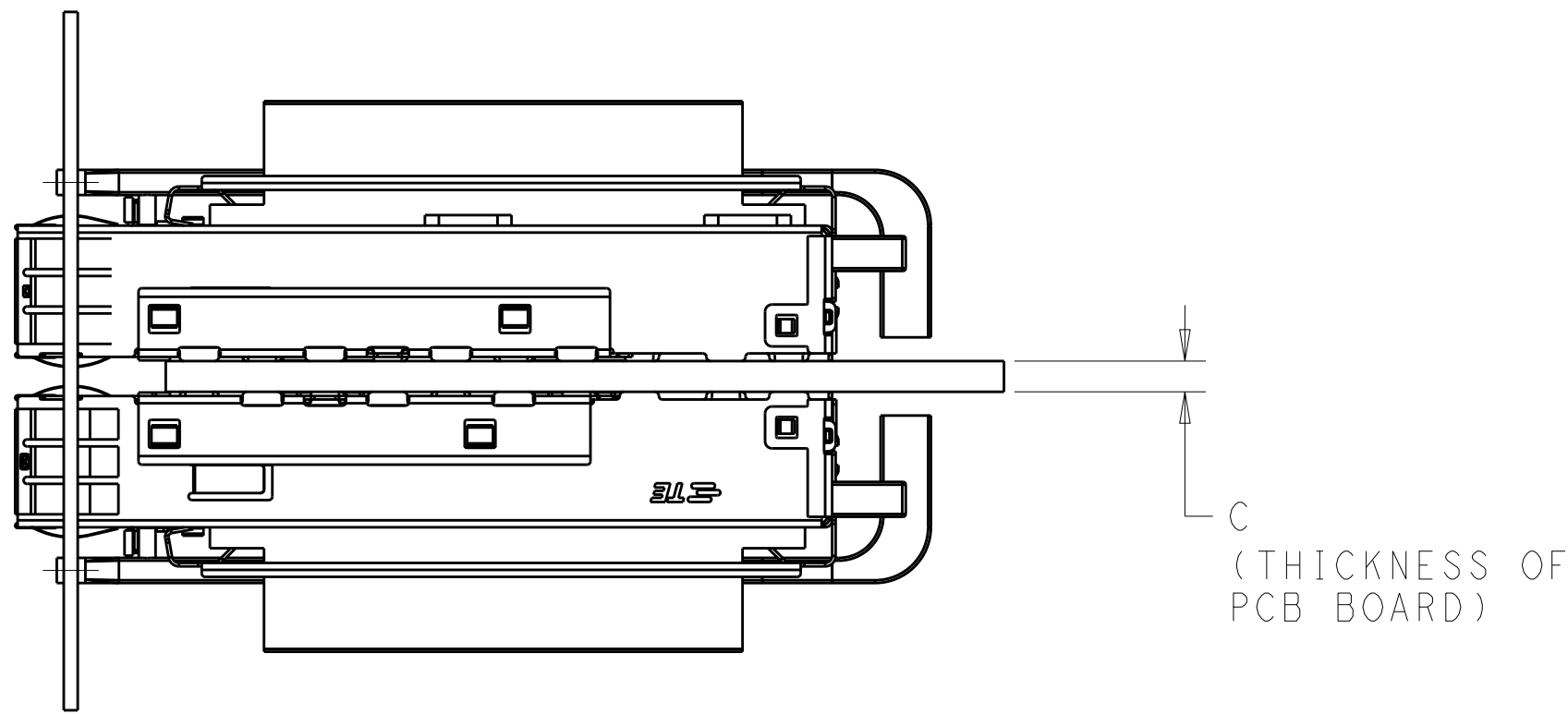
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



ONE SIDED CONFIGURATION



BELLY TO BELLY CONFIGURATION SIMILAR TO ONE SIDED EXCEPT WHERE NOTED



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: JASON YANG 16JUL2012
CHK: ALEX CAI 16JUL2012
APVD: ALEX CAI 16JUL2012

NAME: 1X4 CAGE ASSEMBLY, THRU BEZEL SPRING FINGER, HEAT SINK, QSFP

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±.25
1 PLC ±0.25
2 PLC ±0.20
3 PLC ±.
4 PLC ±.
ANGLES ±.
FINISH

MATERIAL: -

PRODUCT SPEC: 108-2286
APPLICATION SPEC: 114-13217
WEIGHT: -

CUSTOMER DRAWING

SCALE: 4:1

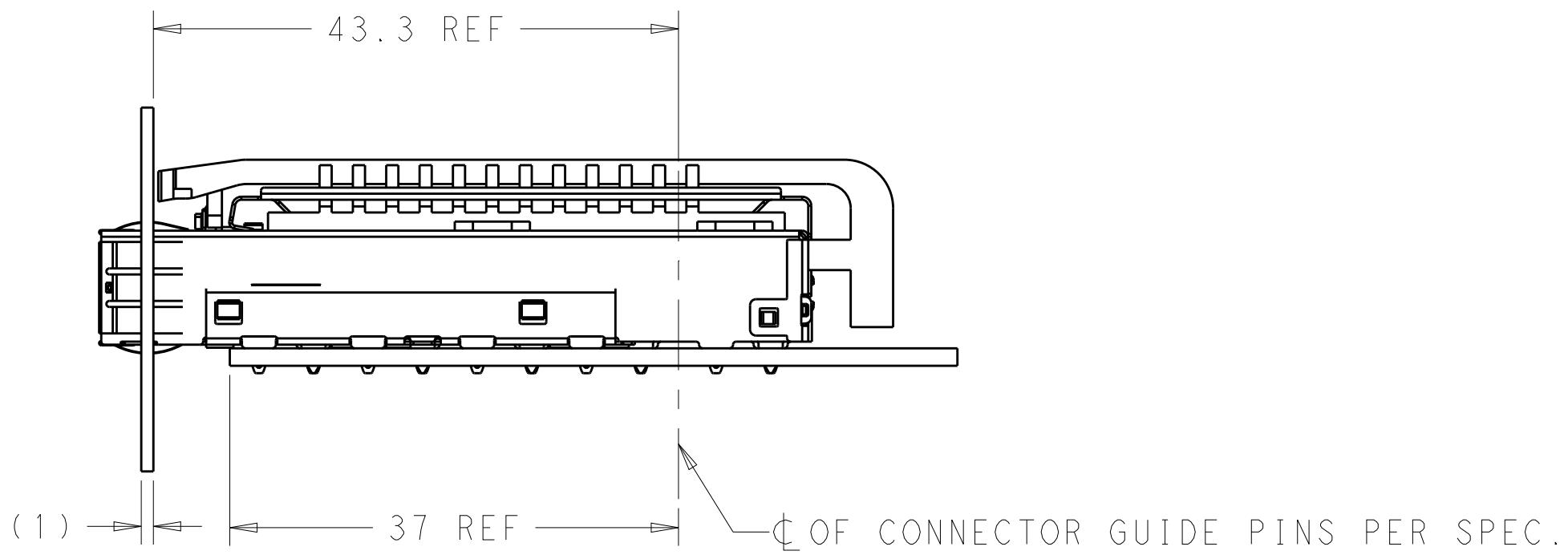
SHEET: 5 OF 8

REV: A

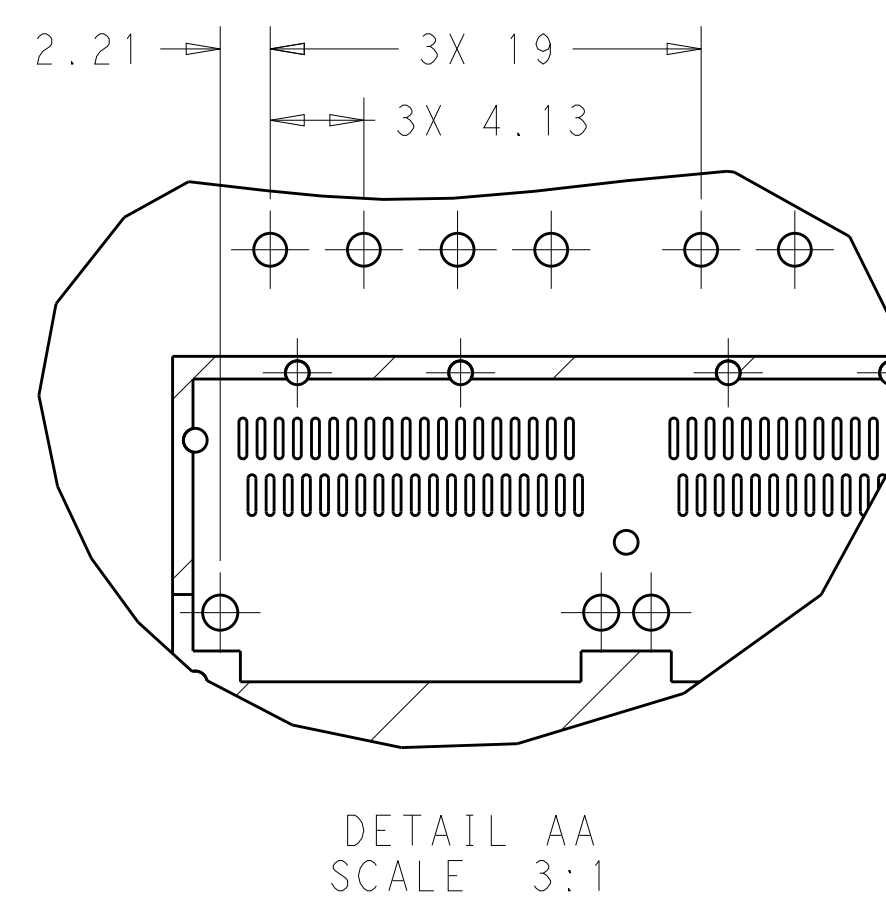
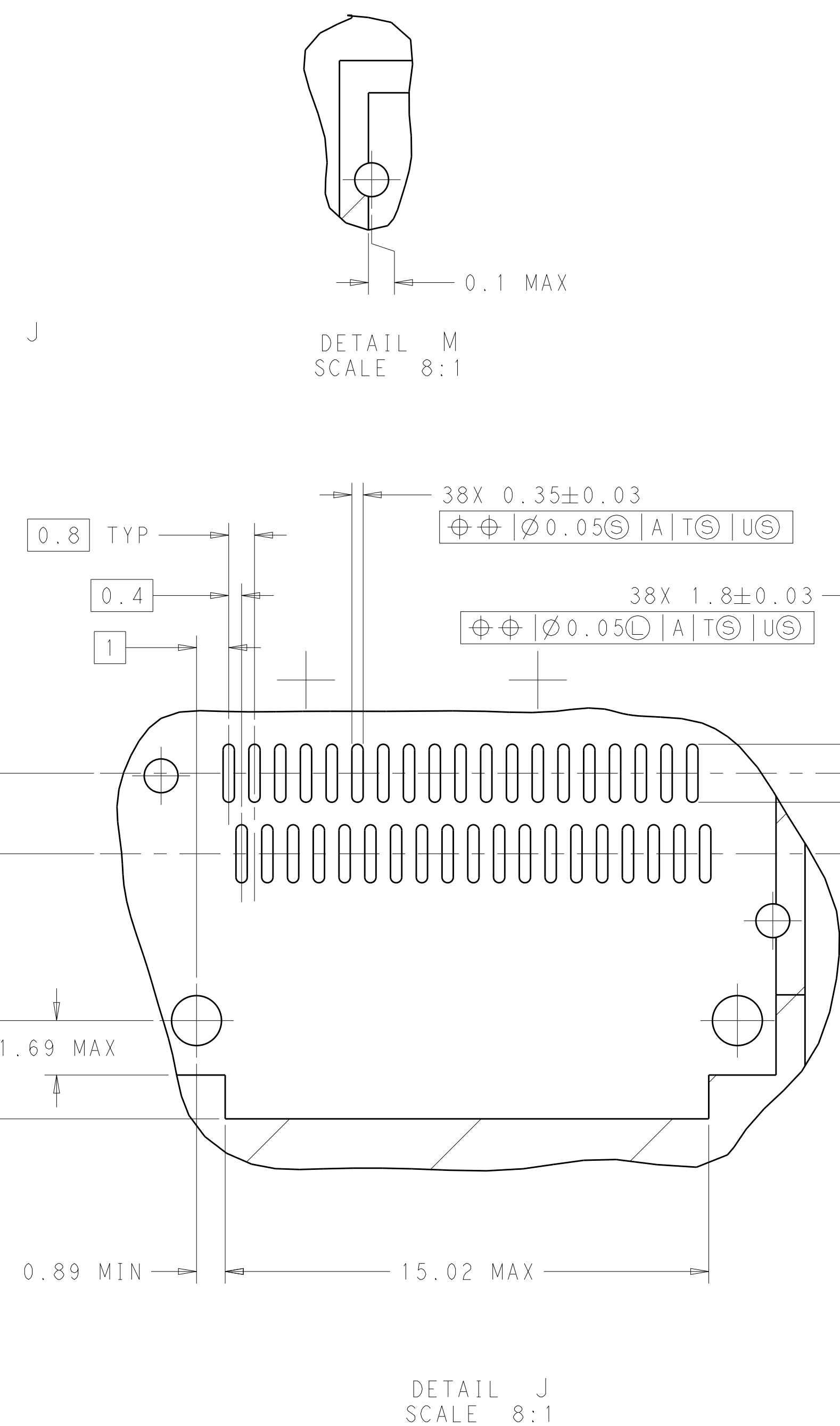
TE Connectivity

SIZE: A1
CAGE CODE: 00779
DRAWING NO: C=2170378

RESTRICTED TO: -



(1) OF CONNECTOR GUIDE PINS PER SPEC.

4805 (3/11)

