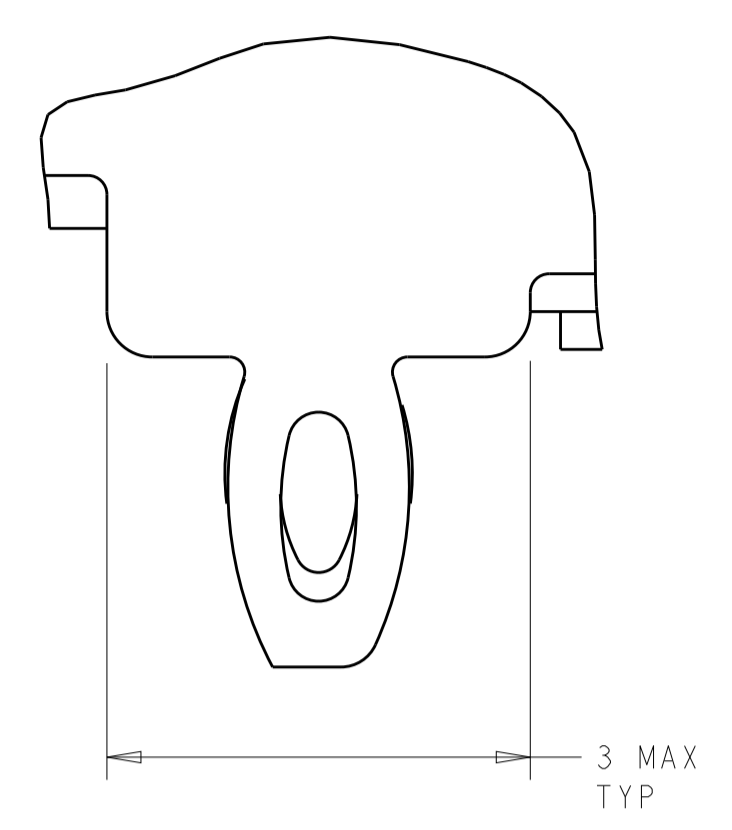
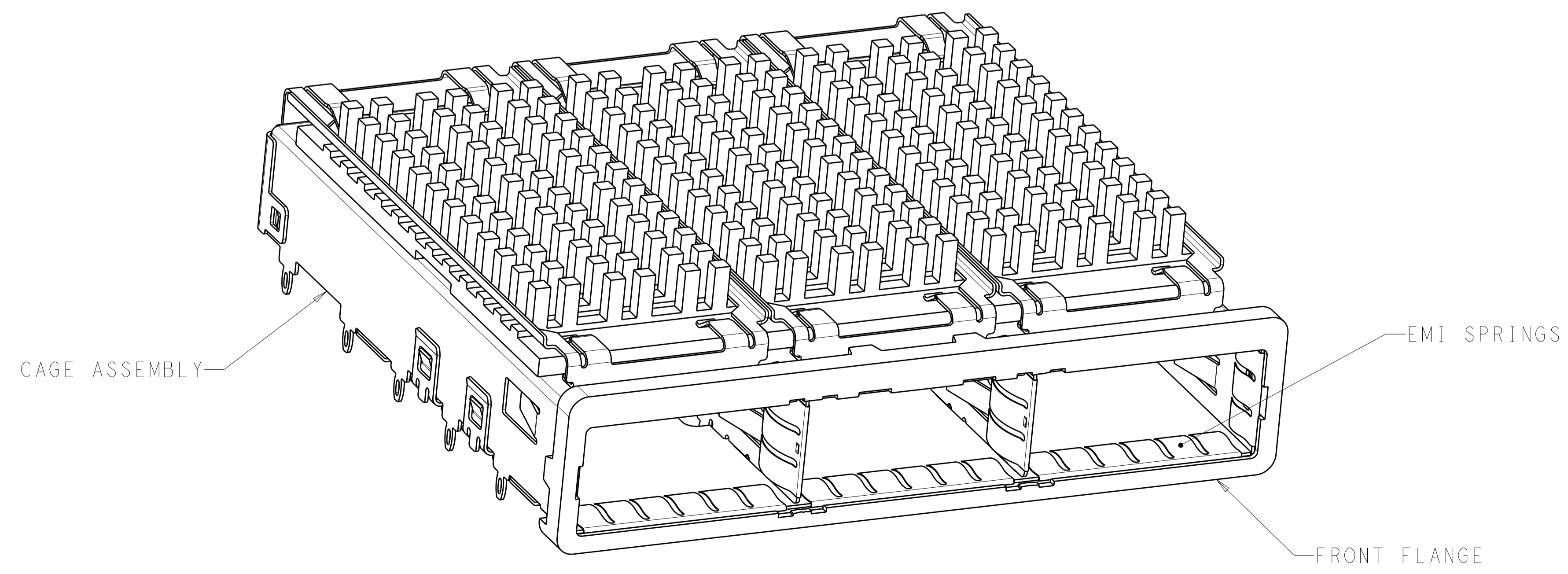
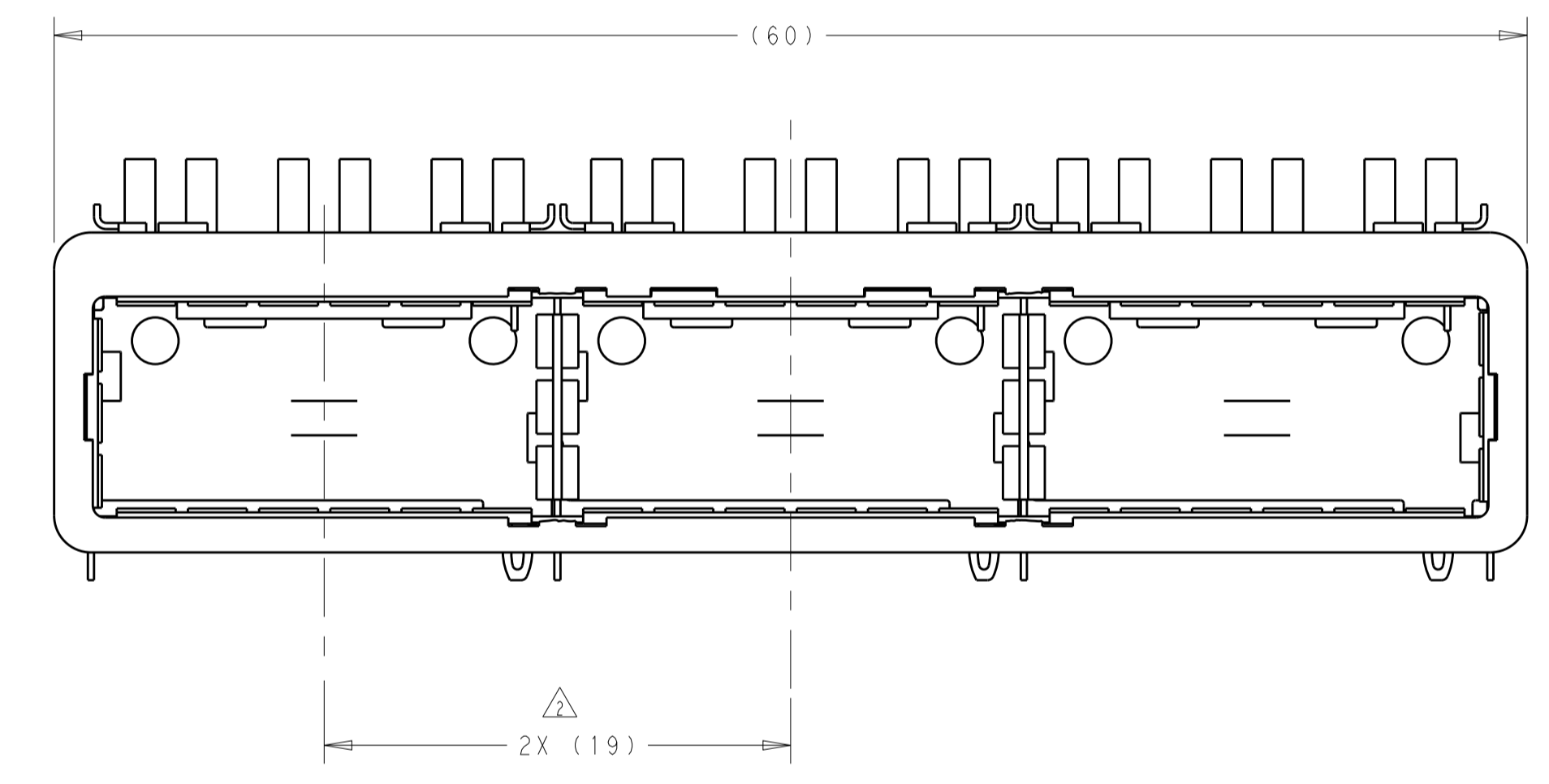
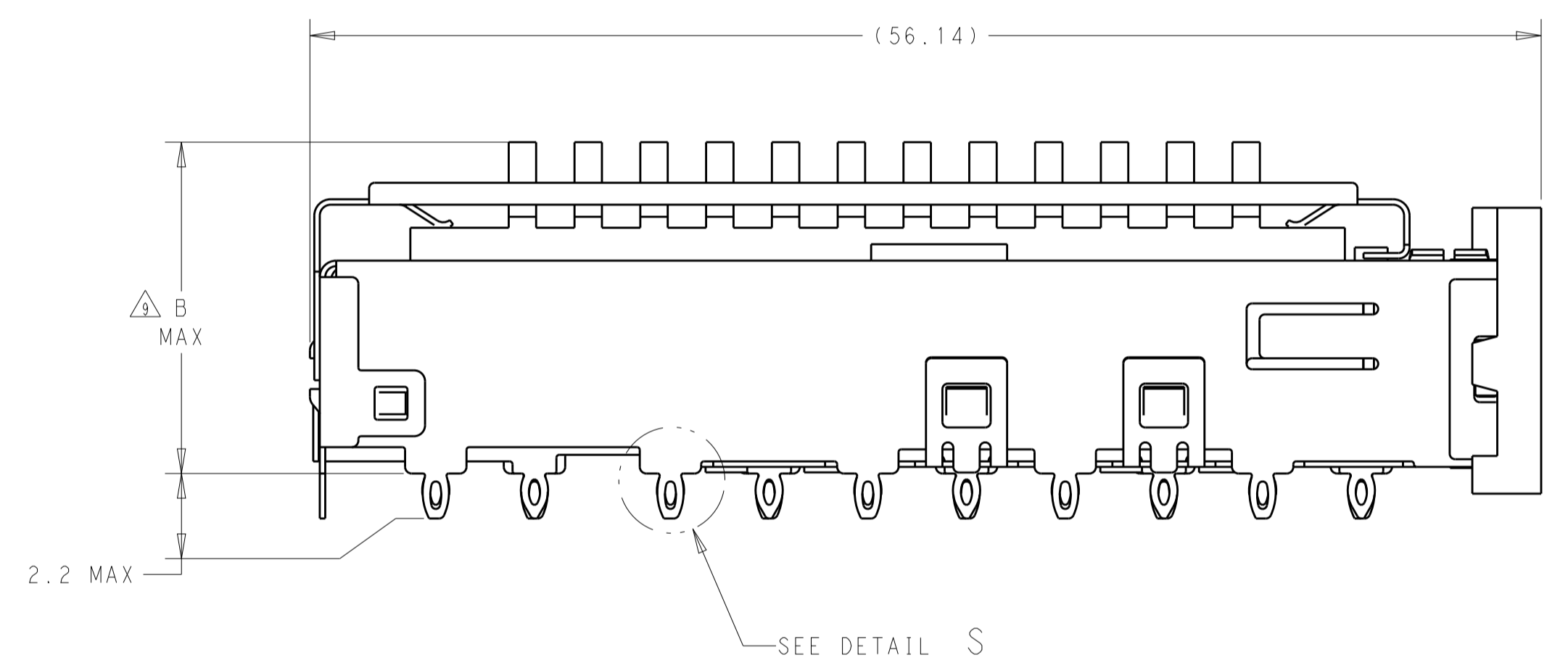


LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		A		RELEASED PER ECO-13-000076	16JAN2013	CJV	EDB



DETAIL S $\Delta 12$
 SCALE 20:1

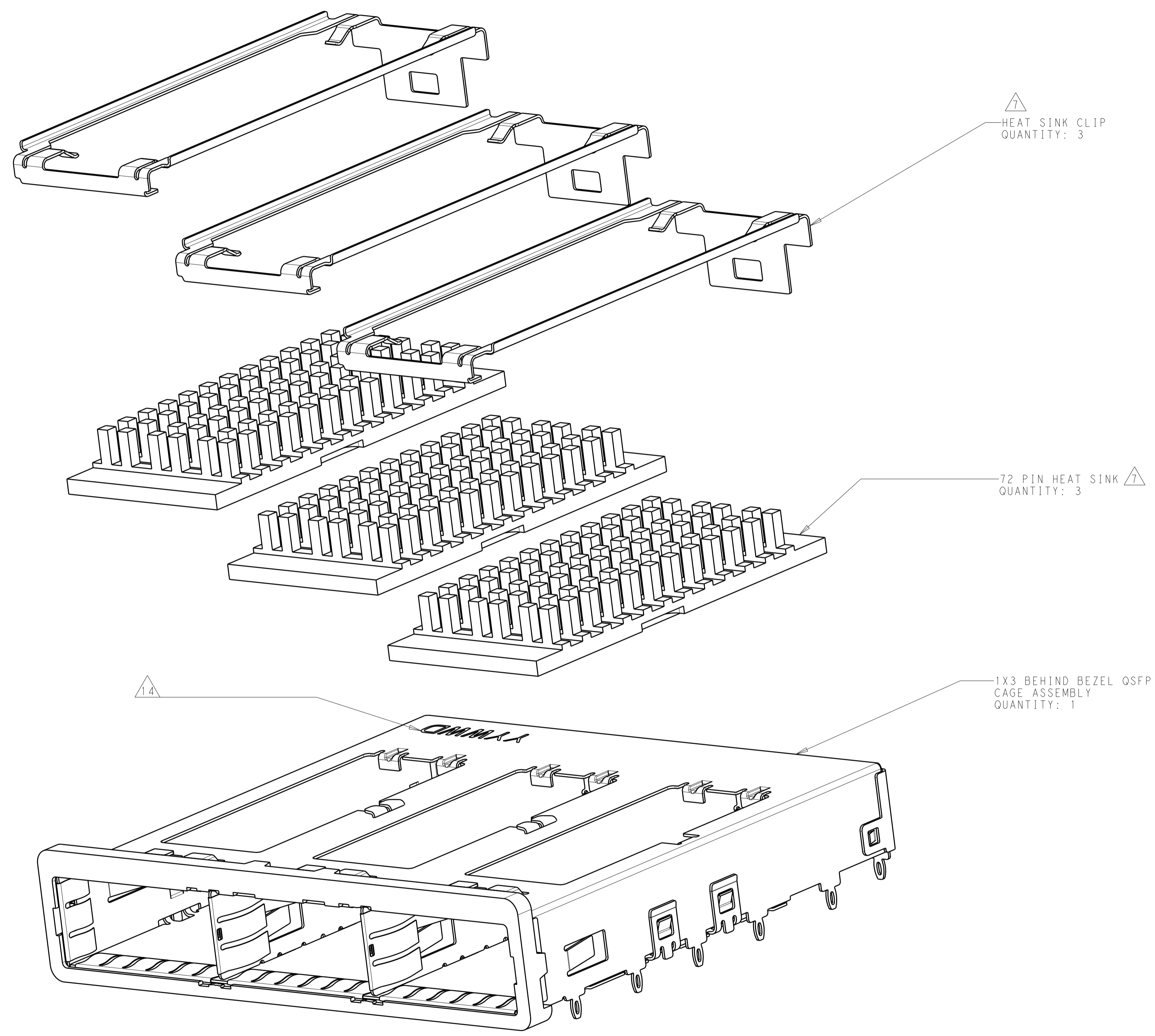
- Δ MATERIALS:
 CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK
 EMI SPRINGS: COPPER ALLOY
 FRONT FLANGE: ZINC ALLOY
 HEAT SINK: ALUMINUM
 HEAT SINK CLIP: STAINLESS STEEL
- Δ PITCH BETWEEN PORTS OF ONE 1X3 CAGE ASSEMBLY.
- Δ SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- Δ REFERENCE APPLICATION SPEC 114-XXXX FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- Δ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- Δ DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD.
 MINIMUM SINGLE SIDED PC BOARD THICKNESS: 1.45mm
 MINIMUM DOUBLE SIDED PC BOARD THICKNESS: 2.2mm PER QSFP
- Δ HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY.
 CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- Δ DATUM A IS TOP SURFACE OF PC BOARD.
- Δ DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- Δ UNPLATED THRU HOLE.
- Δ MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- Δ SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
- Δ BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- Δ DATE CODE (YYWW) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.
- Δ REFERENCE APP SPEC 114-XXXX FOR GASKET THICKNESS CALCULATION.
- Δ FINISH:
 EMI SPRINGS: 2 μ m MINIMUM TIN
 FRONT FLANGE: 3 μ m MINIMUM TIN OVER 1.27 μ m MINIMUM NICKEL OVER 5.08 μ m MINIMUM COPPER
 HEAT SINK: NICKEL.



23.0	NETWORKING	2173239-3
16.0	SAN	2173239-2
13.7	PCI	2173239-1
B	HEAT SINK PROFILE	PART NUMBER

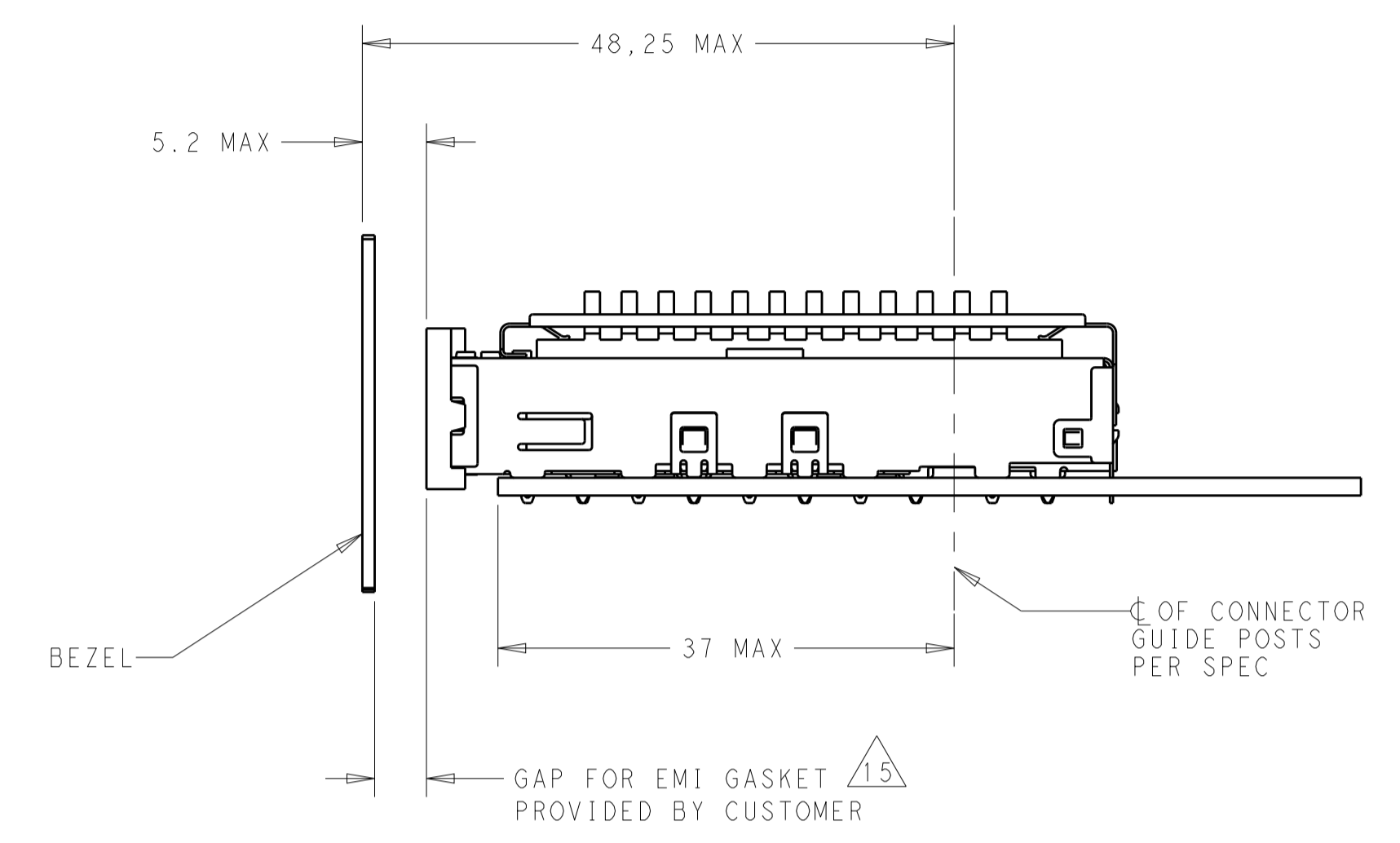
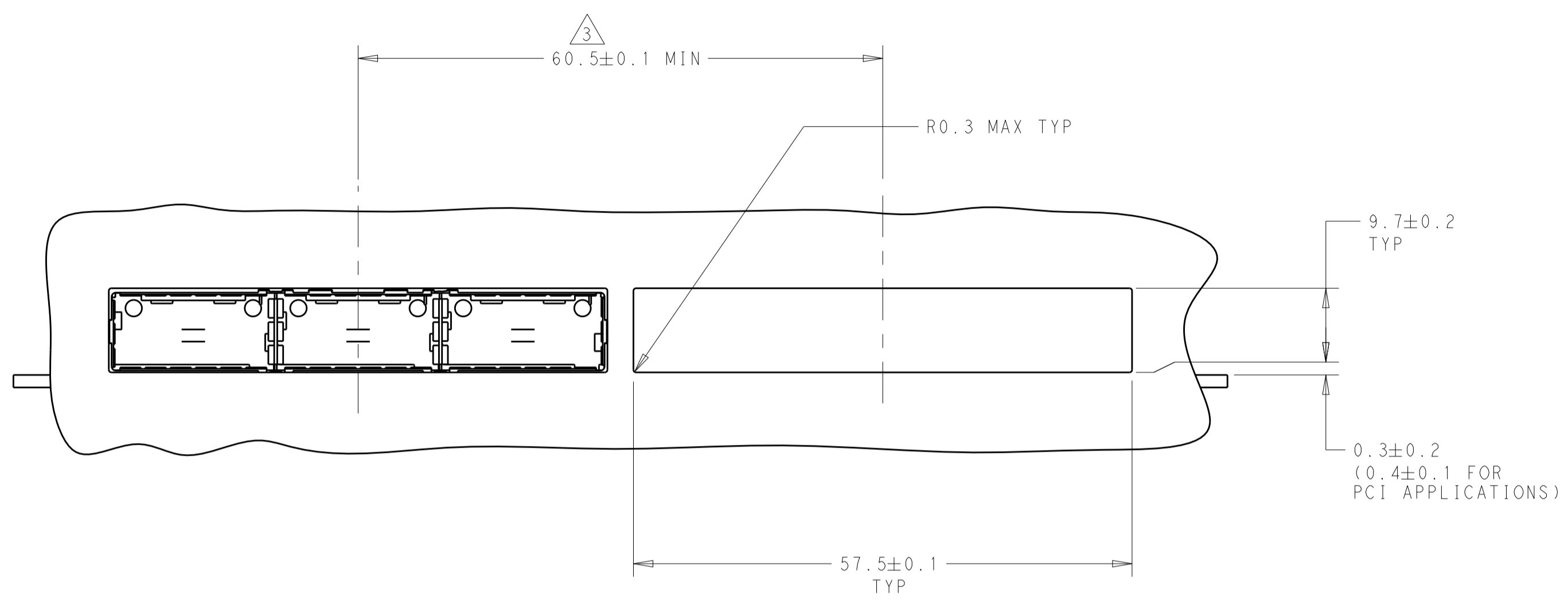
THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		DMN: J.V.D. HEIJDEN 12AUG2011 CHK: R. VERBEET 12AUG2011 APVD: T.D. ROER 15AUG2011	TE Connectivity NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, 2QSFP+	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC: 108-XXXX	SIZE: CAGE CODE DRAWING NO	RESTRICTED TO:
mm	0 PLC \pm 1 PLC ± 0.1 2 PLC ± 0.1 3 PLC ± 0.013 4 PLC ± 0.0001 ANGLES \pm	APPLICATION SPEC: 114-XXXX	SCALE: 1:1	SHEET 1 OF 5
MATERIAL: Δ	FINISH: $\Delta 16$	WEIGHT: -	A100779C=2173239	REV A
CUSTOMER DRAWING				

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

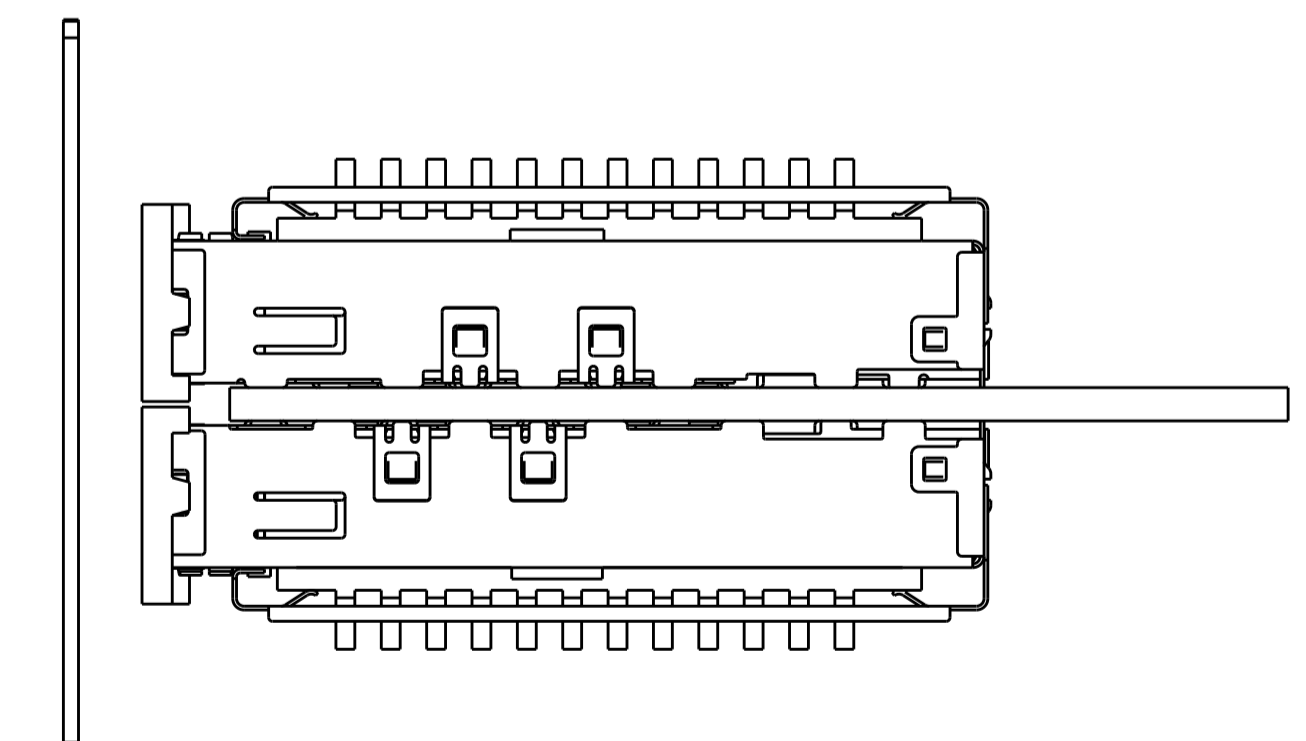
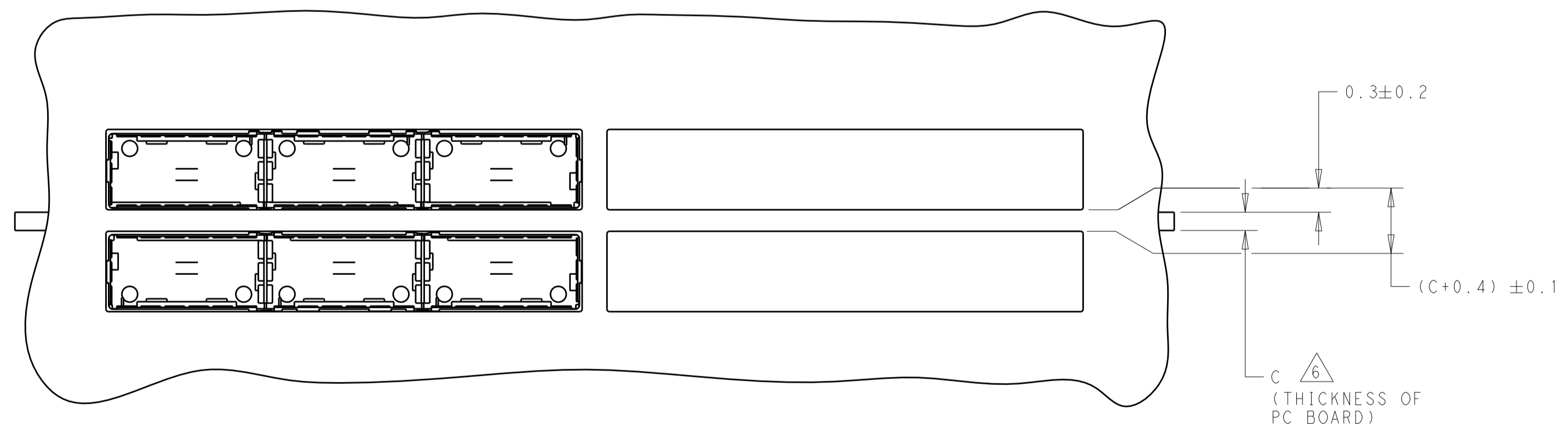


THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		DWN J.V.D. HEIJDEN 12AUG2011	TE Connectivity
TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK R. VERBEET 12AUG2011	
DIMENSIONS:	mm	APVD T.D. ROER 15AUG2011	NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, 2QSFP+
	0 PLC ±	PRODUCT SPEC	SIZE
	1 PLC ±0.1	108----	CAGE CODE
2 PLC ±0.1	APPLICATION SPEC	114----	DRAWING NO
3 PLC ±0.013	WEIGHT	-	A100779
4 PLC ±0.0001	RESTRICTED TO	-	C=2173239
ANGLES ±	CUSTOMER DRAWING	SCALE	1:1
FINISH	SHEET	2	OF
	REV	5	A

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
GP	00	SEE SHEET 1	-	-	-



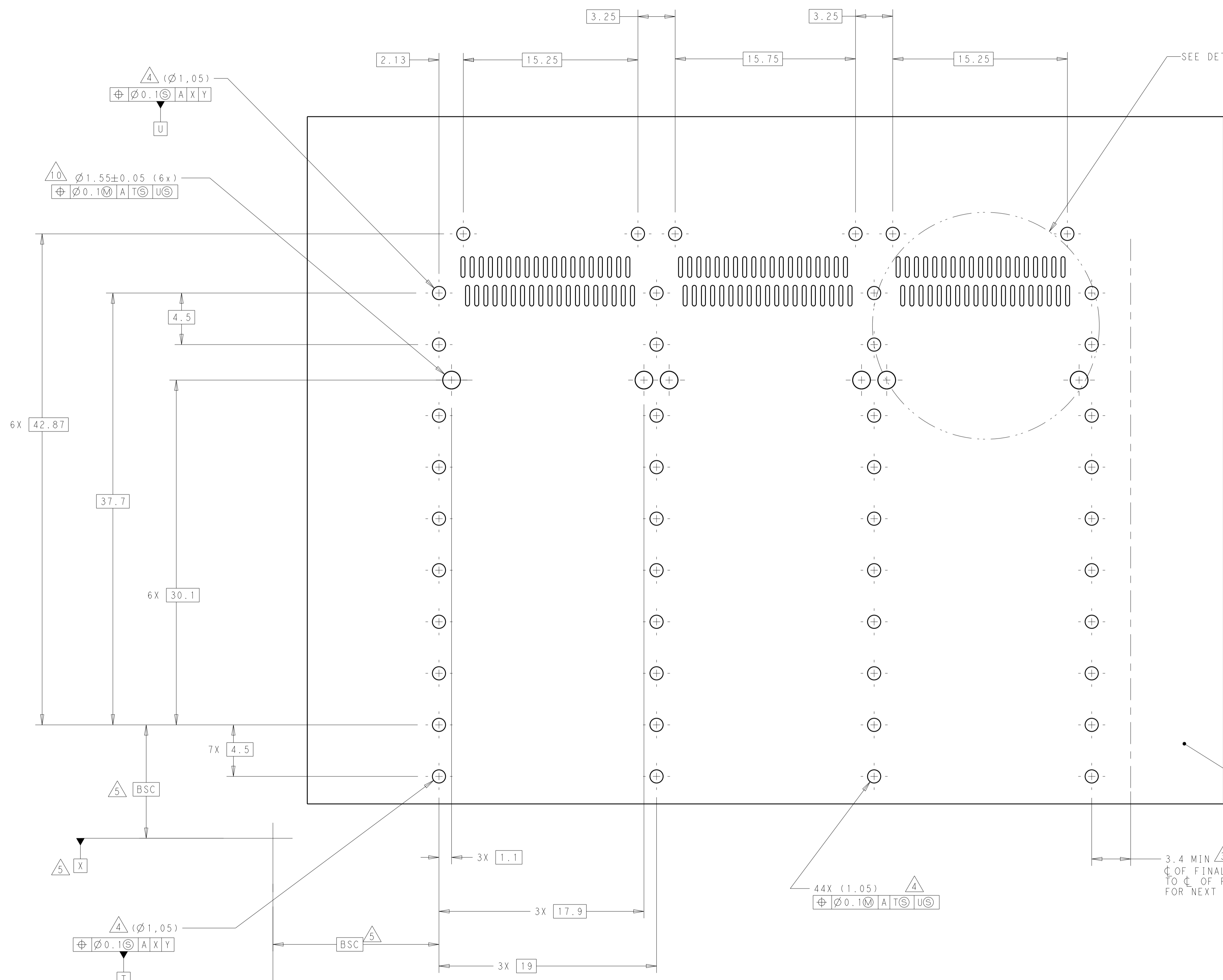
ONE SIDED CONFIGURATION
 SCALE 2:1



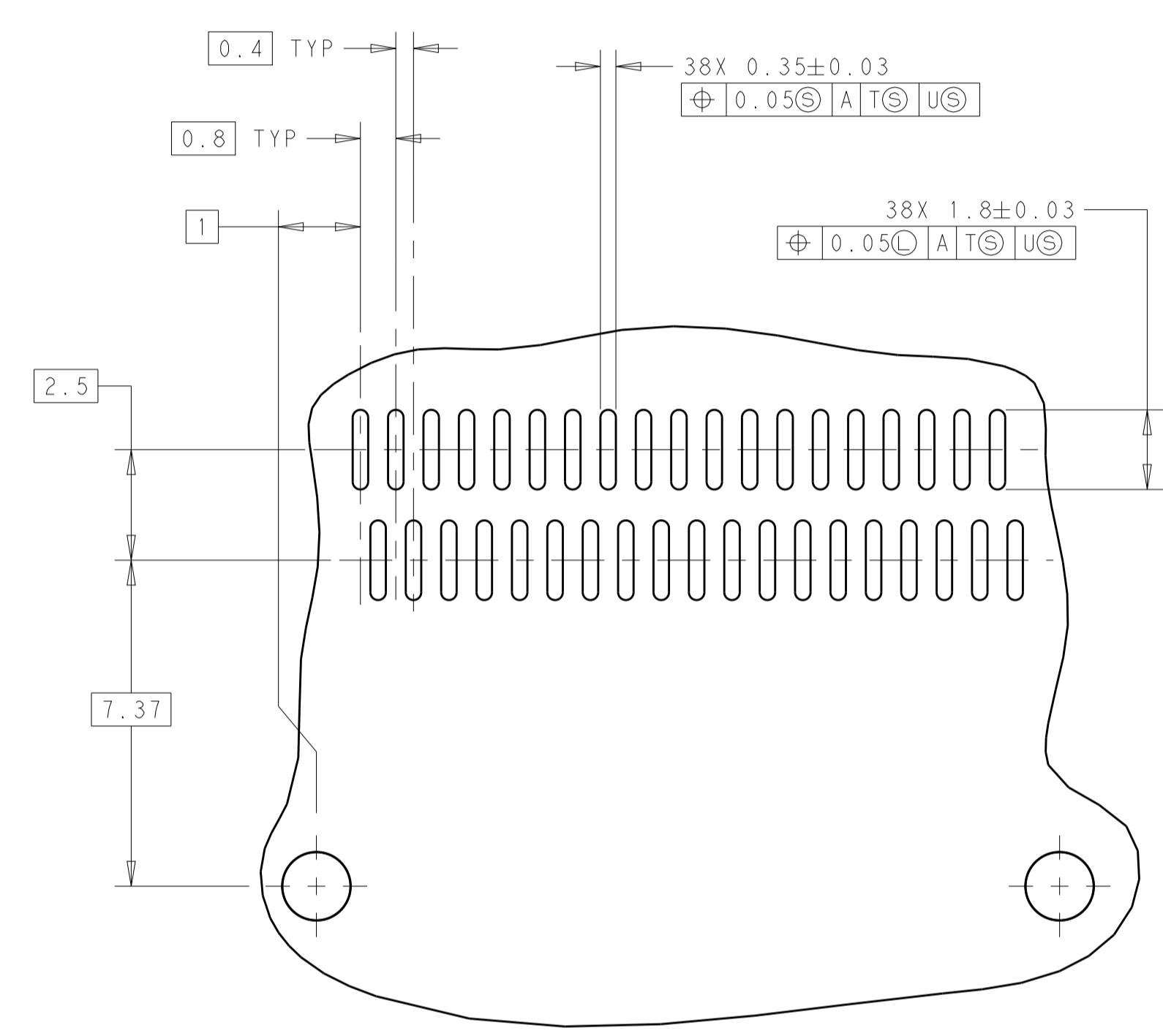
BELLY TO BELLY CONFIGURATION SIMILAR
 TO ONE SIDED EXCEPT WHERE NOTED
 SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009		DMN J.V.D. HEIJDEN 12AUG2011	TE Connectivity NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, 2QSFP+
DIMENSIONS: mm		CHK R. VERBEEF 12AUG2011	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD T.D. ROER 15AUG2011	PRODUCT SPEC
0 PLC ±		APPLICATION SPEC	SIZE
1 PLC ±0.1		RESTRICTED TO	A100779C=2173239
2 PLC ±0.1		SCALE	4:1
3 PLC ±0.013		SHEET	3 OF 5
4 PLC ±0.0001		REV	A
ANGLES ±		CUSTOMER DRAWING	

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-



SEE DETAIL K



DETAIL K
 3 PLACES
 SCALE 8:1

RECOMMENDED PC BOARD LAYOUT
 BELLY TO BELLY CONFIGURATION
 SEE SHEET 4 FOR COMPONENT
 AND TRACE KEEP-OUTS
 SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009		DMN: J.V.D. HEIJDEN 12AUG2011 CHK: R. VERBEET 12AUG2011 APVD: T.D. ROER 15AUG2011	TE Connectivity NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, 2QSFP+	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	SIZE	RESTRICTED TO
0 PLC ±0.1	1 PLC ±0.1	108----	114----	
2 PLC ±0.1	3 PLC ±0.013	APPLICATION SPEC	SCALE	
4 PLC ±0.0001	ANGLES ±0.0001	WEIGHT	1:1	
MATERIAL	FINISH	CUSTOMER DRAWING	SHEET 5 OF 5	REV A

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