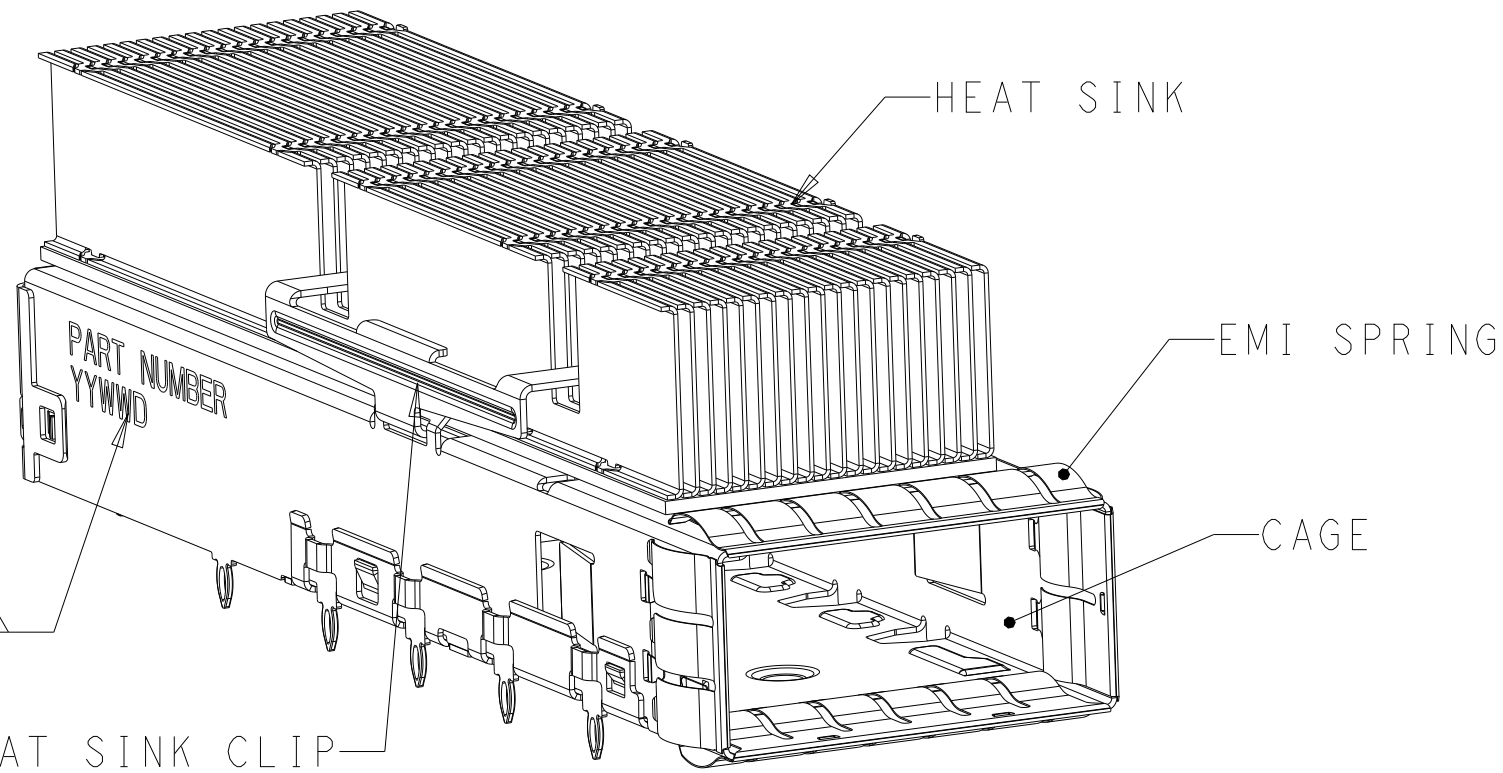
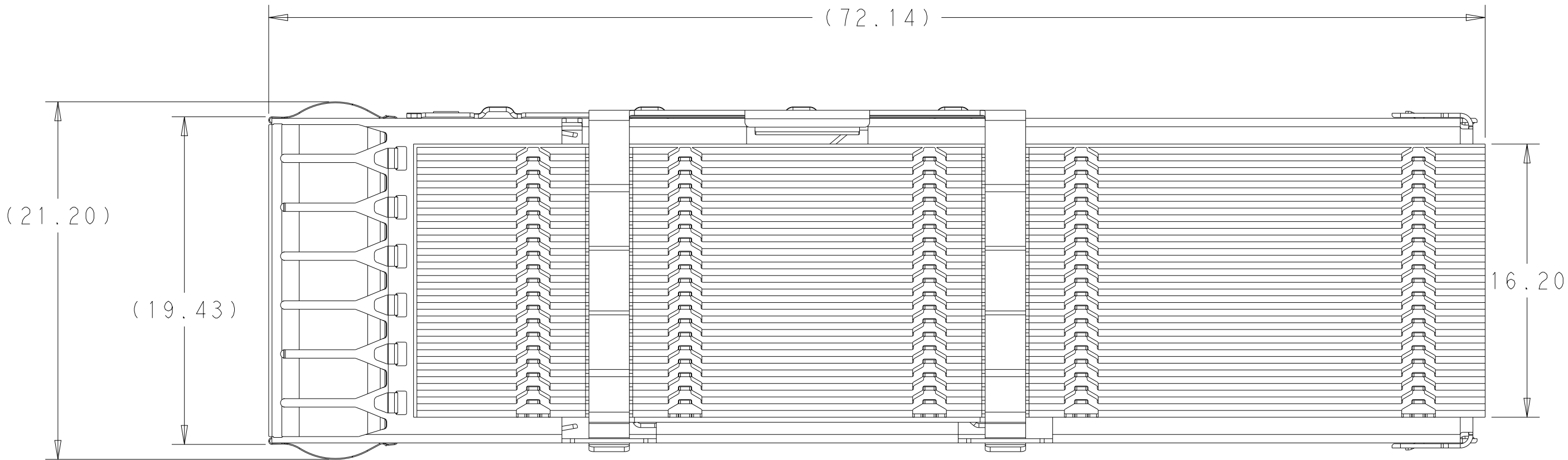


LOC		DIST	REVISIONS				
P	LYR	DESCRIPTION			DATE	DWN	APVD
	A	INITIAL RELEASE			10SEP2019	AJ	SH
	A3	REVISED PER ECN-21-121169			15SEP2021	SH	SZ

2324193-1 AS SHOWN



2324193-1 AS SHOWN
SCALE 3:1

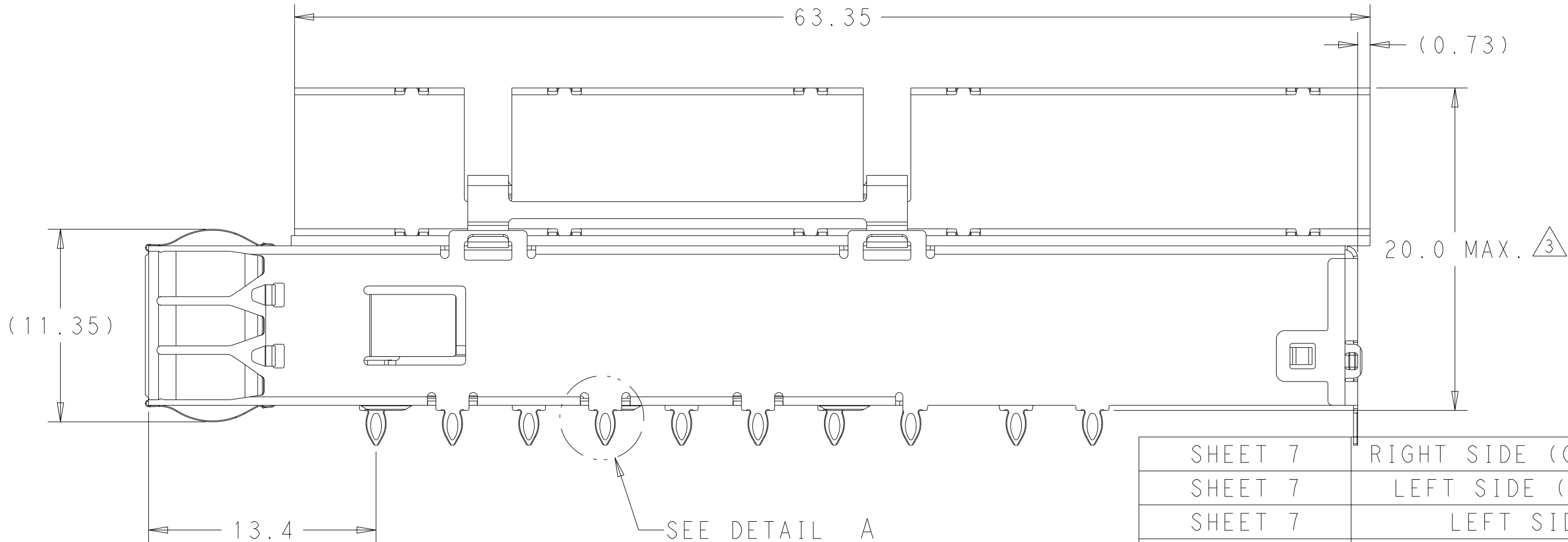
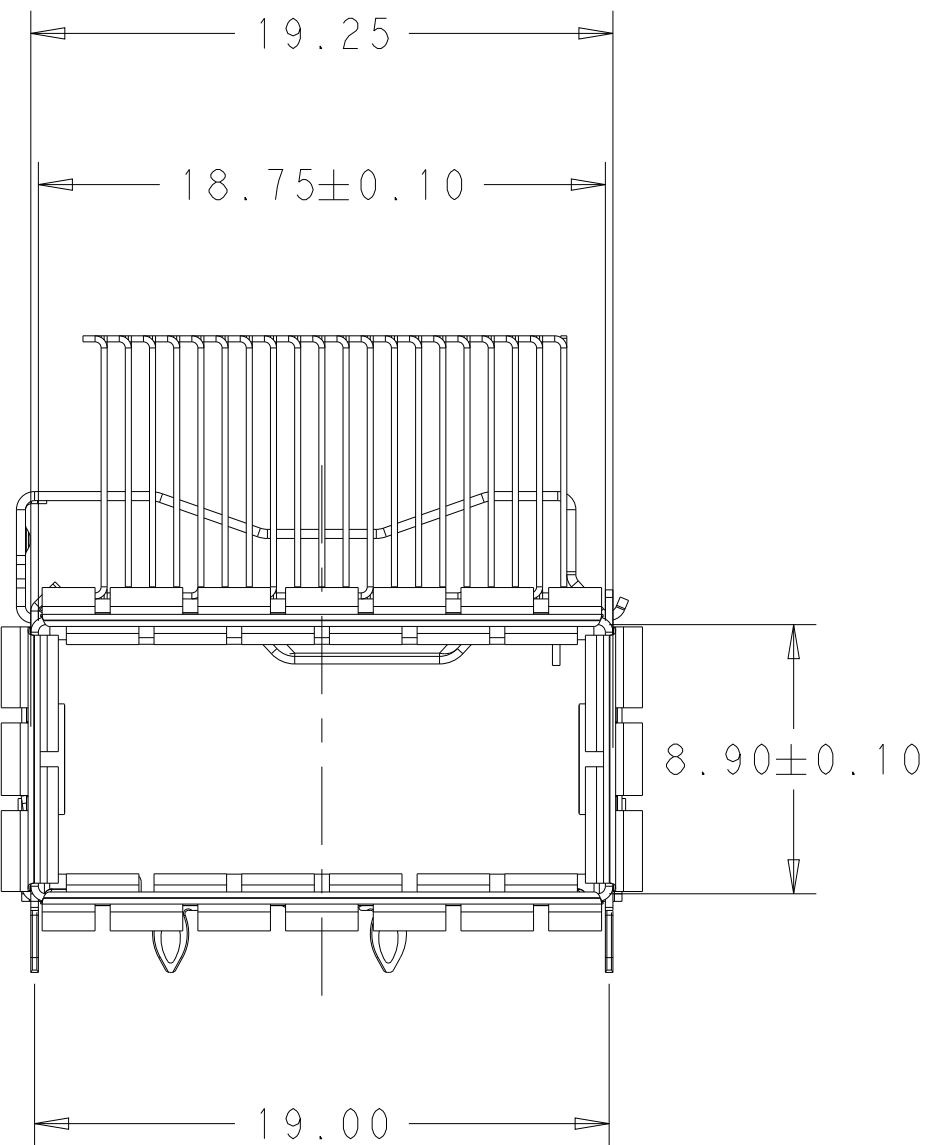
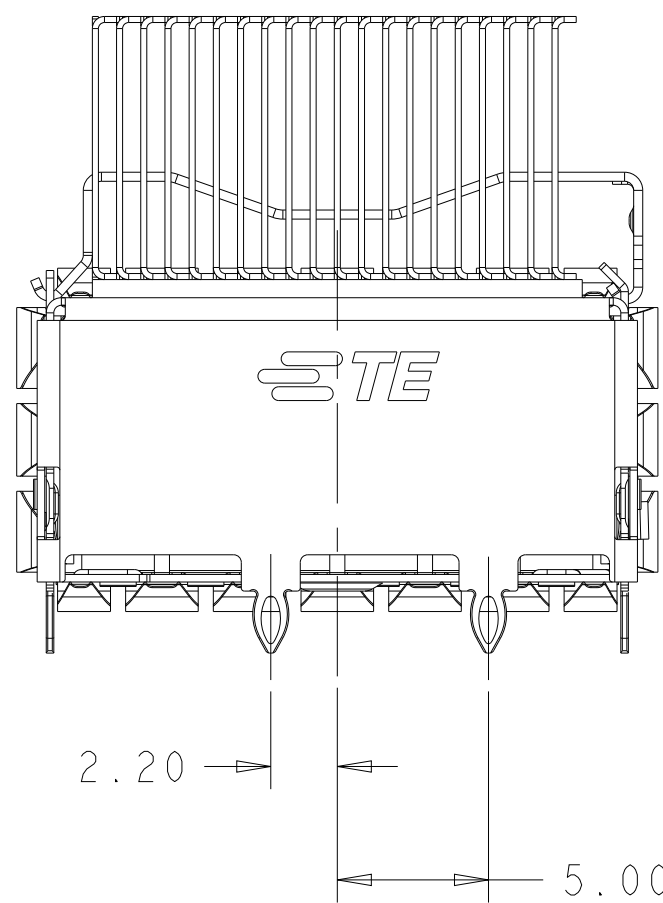


1. MATERIAL:
- CAGE MATERIAL : 0.25 THICK STAINLESS STEEL.
 - SPRING MATERIAL: COPPER ALLOY
 - CLIP MATERIAL: STAINLESS STEEL
 - HEAT SINK: ALUMINUM
 - SEAL SHEET: 0.25 THICK STAINLESS STEEL
 - LIGHT PIPE: POLYCARBONATE

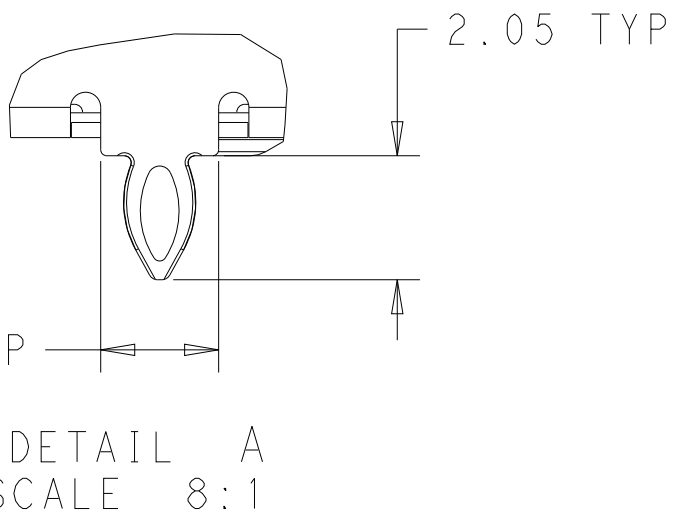
2. FINISH:
- SPRING: NICKEL PLATING
 - HEAT SINK: NICKEL PLATING

3. DIMENSION APPLIES WITH MODULE INSTALLED IN THE CAGE TO TOP OF HEAT SINK.
4. REFERENCE APPLICATION SPEC 114-32023 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.
6. MINIMUM PC BOARD THICKNESS : SINGLES SIDED: 1.57 MIN
DOUBLE SIDED: 3.00 MIN

7. DATUM -A- IS TOP SURFACE OF THE HOST BOARD.
8. DATE CODE (YYWWD) MARKED APPROXIMATELY AS SHOWN
9. MATES WITH QSFP DD MSA COMPATIBLE TRANSCEIVER.



2324193-1 AS SHOWN
SCALE 4:1

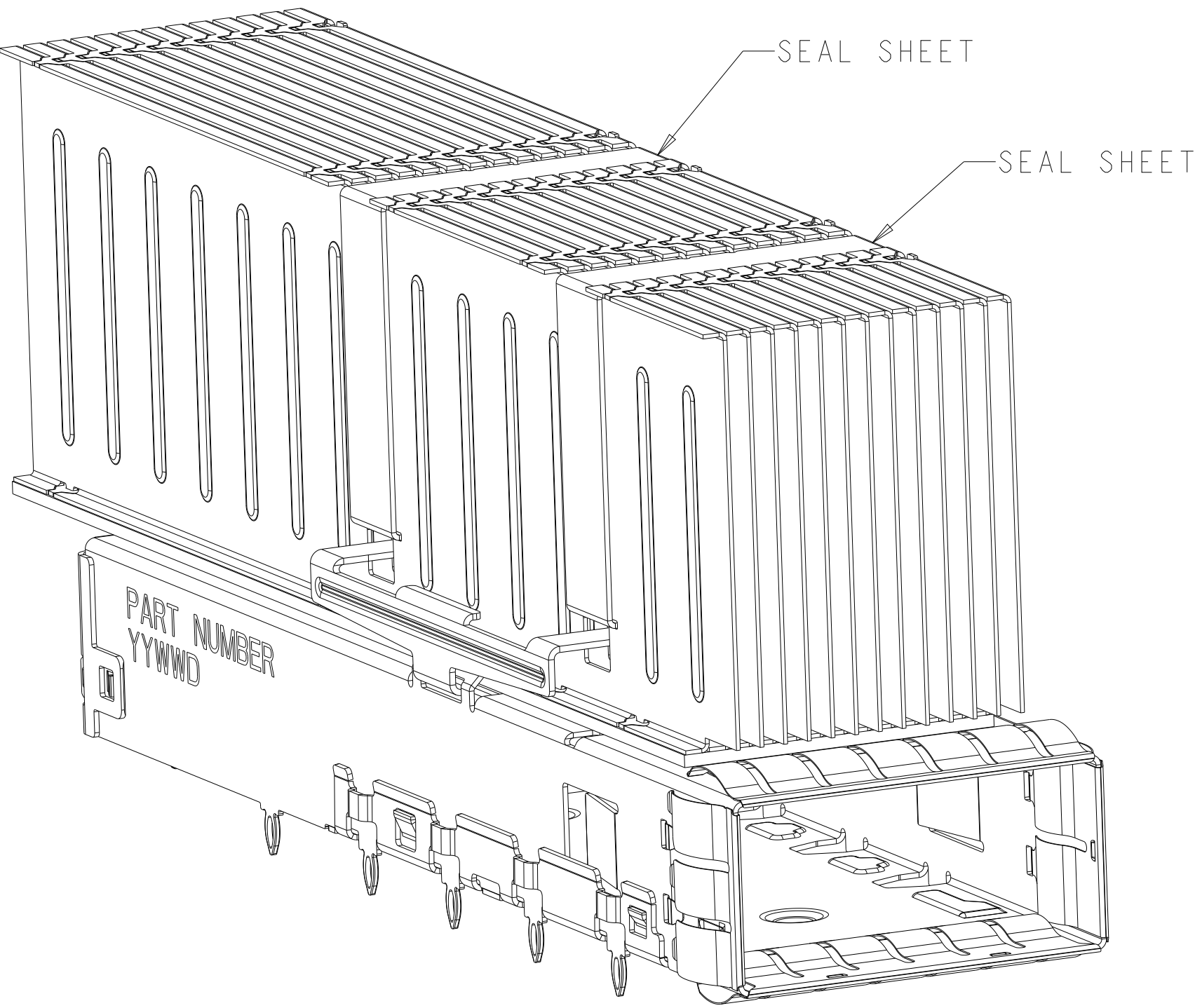


SHEET 7	RIGHT SIDE (COATED)	WITH	CUSTOMIZED HEIGHT	2	1-2324193-8
SHEET 7	LEFT SIDE (COATED)	WITH	CUSTOMIZED HEIGHT	2	1-2324193-7
SHEET 7	LEFT SIDE	WITHOUT	CUSTOMIZED HEIGHT	2	1-2324193-3
SHEET 6	RIGHT SIDE (COATED)	WITH	CUSTOMIZED HEIGHT	2	1-2324193-2
SHEET 6	LEFT SIDE (COATED)	WITH	CUSTOMIZED HEIGHT	2	1-2324193-1
SHEET 5	RIGHT SIDE (COATED)	WITHOUT	CUSTOMIZED HEIGHT	2	1-2324193-0
SHEET 5	LEFT SIDE (COATED)	WITHOUT	CUSTOMIZED HEIGHT	2	2324193-9
SHEET 5	RIGHT SIDE (COATED)	WITH	CUSTOMIZED HEIGHT	2	2324193-8
SHEET 5	LEFT SIDE (COATED)	WITH	CUSTOMIZED HEIGHT	2	2324193-7
SHEET 4	WITHOUT	WITH	CUSTOMIZED HEIGHT	2	2324193-6
SHEET 4	WITHOUT	WITH	CUSTOMIZED HEIGHT	2	2324193-5
SHEET 3	RIGHT SIDE	WITH	CUSTOMIZED HEIGHT	2	2324193-4
SHEET 3	LEFT SIDE	WITH	CUSTOMIZED HEIGHT	2	2324193-3
SHEET 2	WITHOUT	WITH	CUSTOMIZED HEIGHT	2	2324193-2
SHEET 1	WITHOUT	WITH OUT	NORMAL TYPE	2	2324193-1
REMARK	LIGHT PIPE	SEAL SHEET	HEAT SINK	# REAR PINS	PART NUMBER

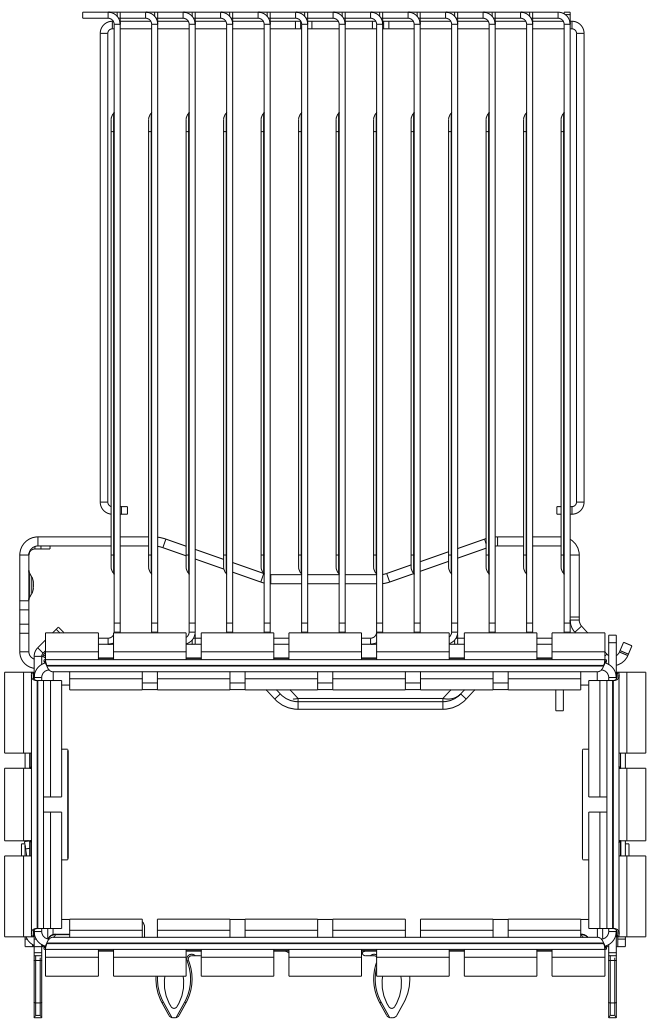
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: ARTHUR JIN 24AUG2017	TE Connectivity CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER		
DIMENSIONS:		CHK: SEAN HAN 24AUG2017			
mm		APVD: SEAN HAN 24AUG2017			
		PRODUCT SPEC			
		APPLICATION SPEC			
MATERIAL		WEIGHT	SIZE: A1	CAGE CODE: -	DRAWING NO: C=2324193
		CUSTOMER DRAWING	SCALE: 2:1	SHEET: 1 OF 12	REV: A3

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

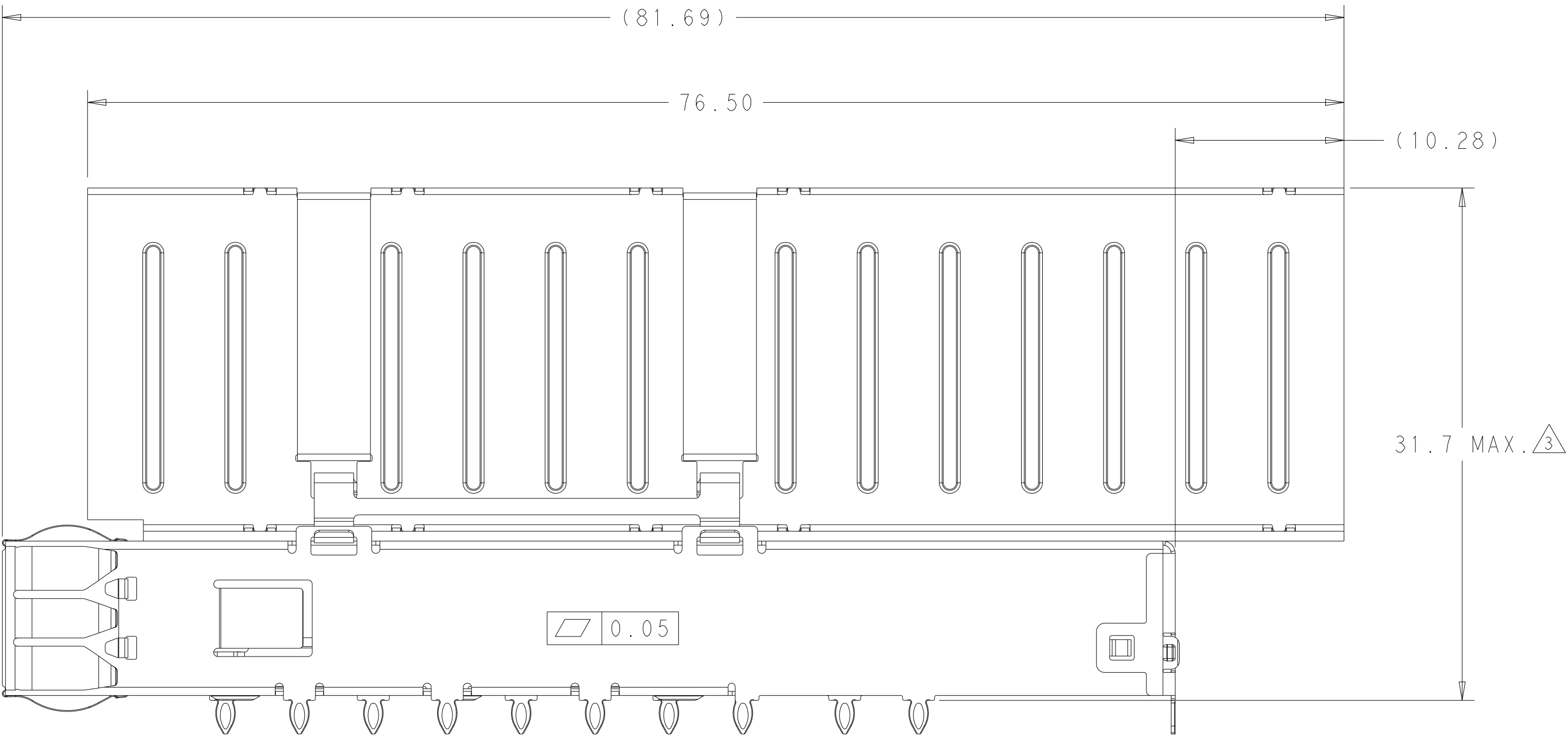
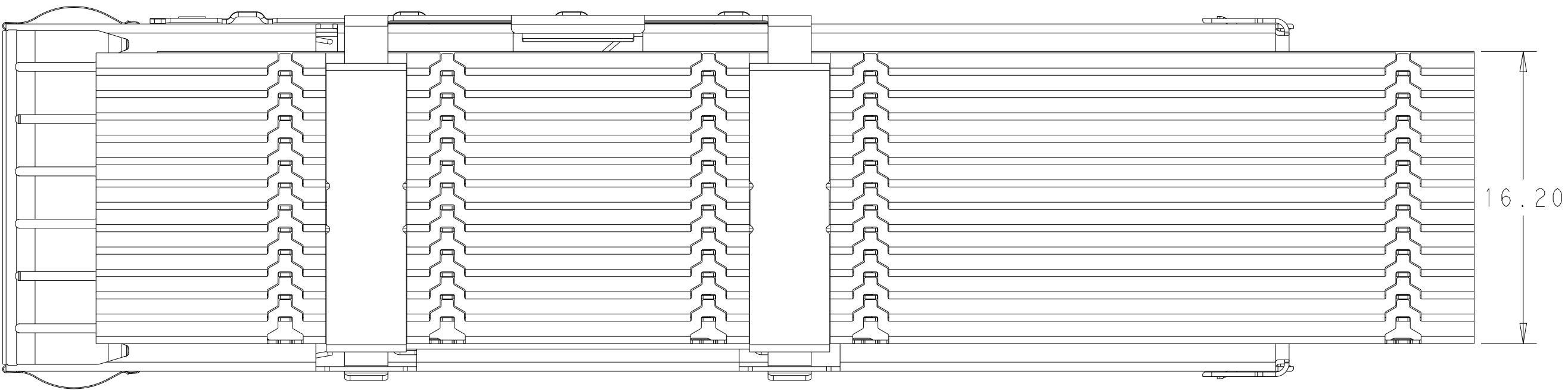
2324193-2 AS SHOWN



2324193-2 AS SHOWN
SCALE 4:1



SCALE 4:1

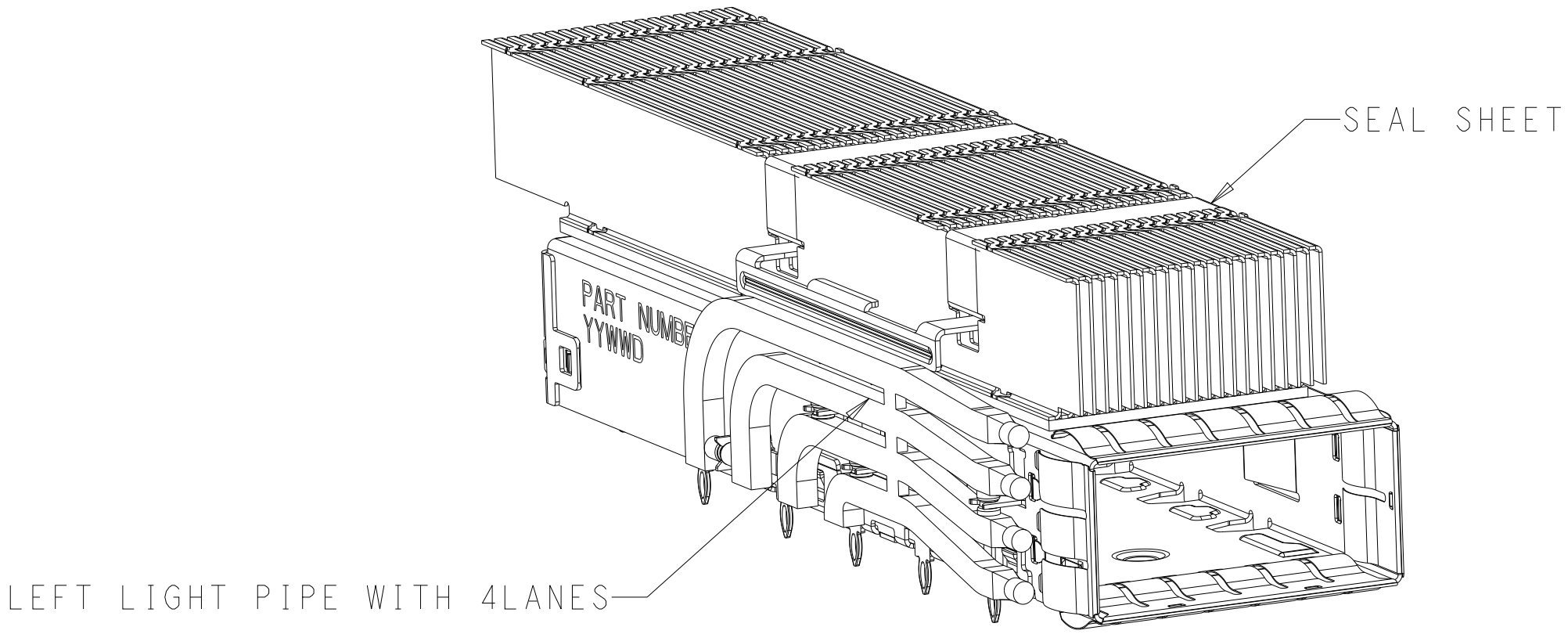


2324193-2 AS SHOWN
SCALE 4:1

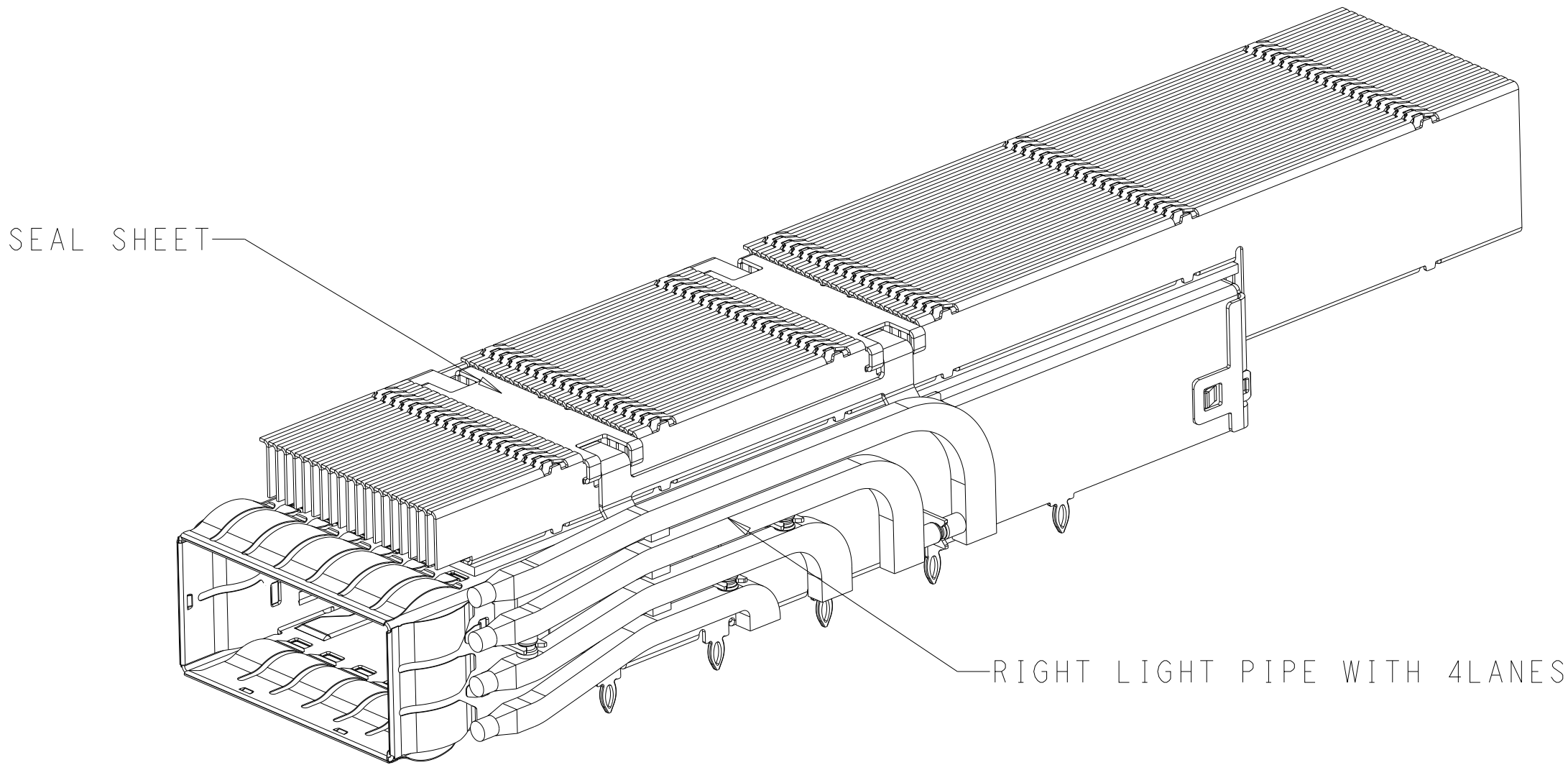
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ARTHUR JIN	24AUG2017	 TE Connectivity			
		CHK SEAN HAN	24AUG2017				
DIMENSIONS:		APVD SEAN HAN	24AUG2017	NAME CAGE ASSEMBLY, QSPF-DD STANDARD WITH EMI SPRING FINGER		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
mm		PRODUCT SPEC					
		APPLICATION SPEC		A1 - C=2324193 - SCALE 2:1 SHEET 2 OF 12 REV A3			
		WEIGHT -					
		CUSTOMER DRAWING					

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

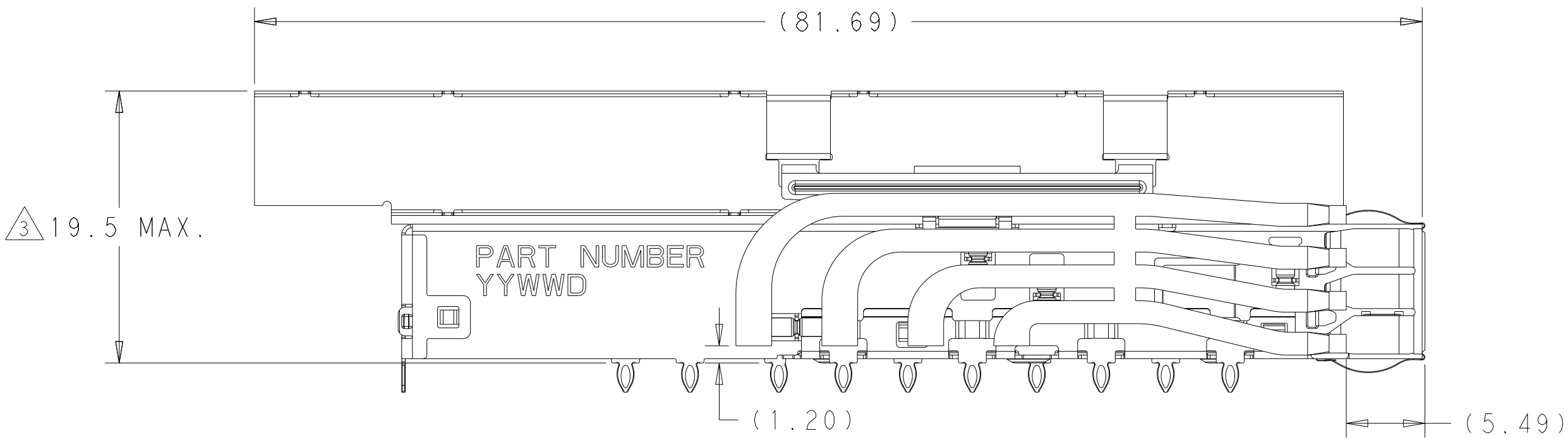
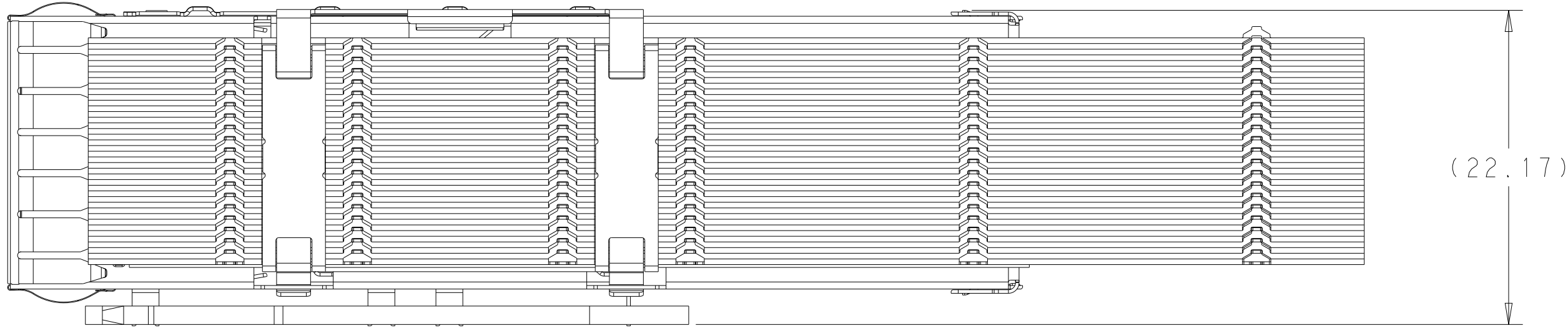
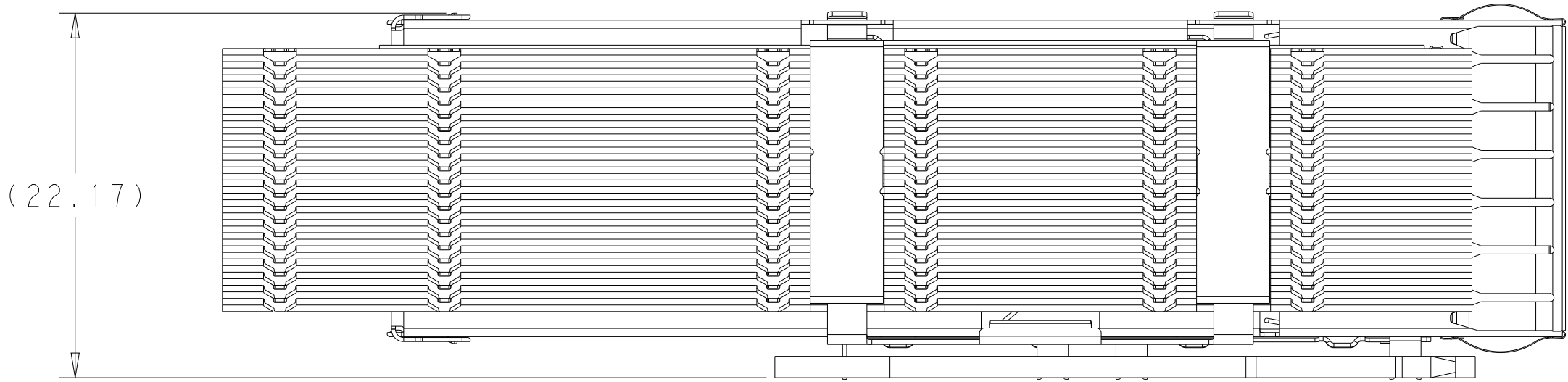
2324193-3/2324193-4 MATCH USE FOR BELLY TO BELLY APPLICATION
UNSPECIFIED DIMENSION SAME TO 2324193-2



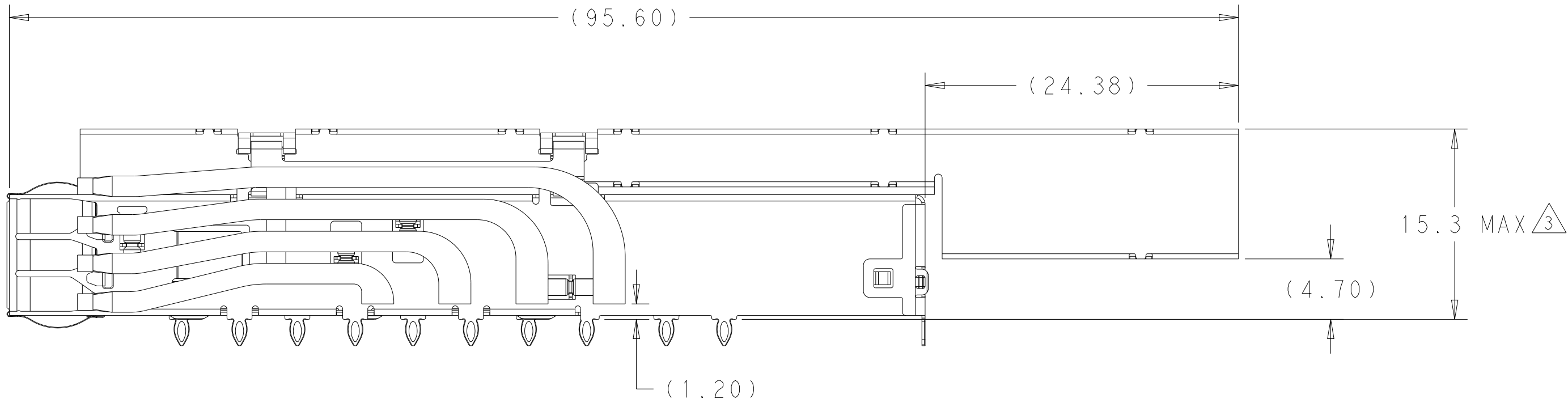
2324193-3 WITH LEFT LP AND HIGH HS
SCALE 3:1



2324193-4 WITH RIGHT LP AND LOW HS
SCALE 3:1



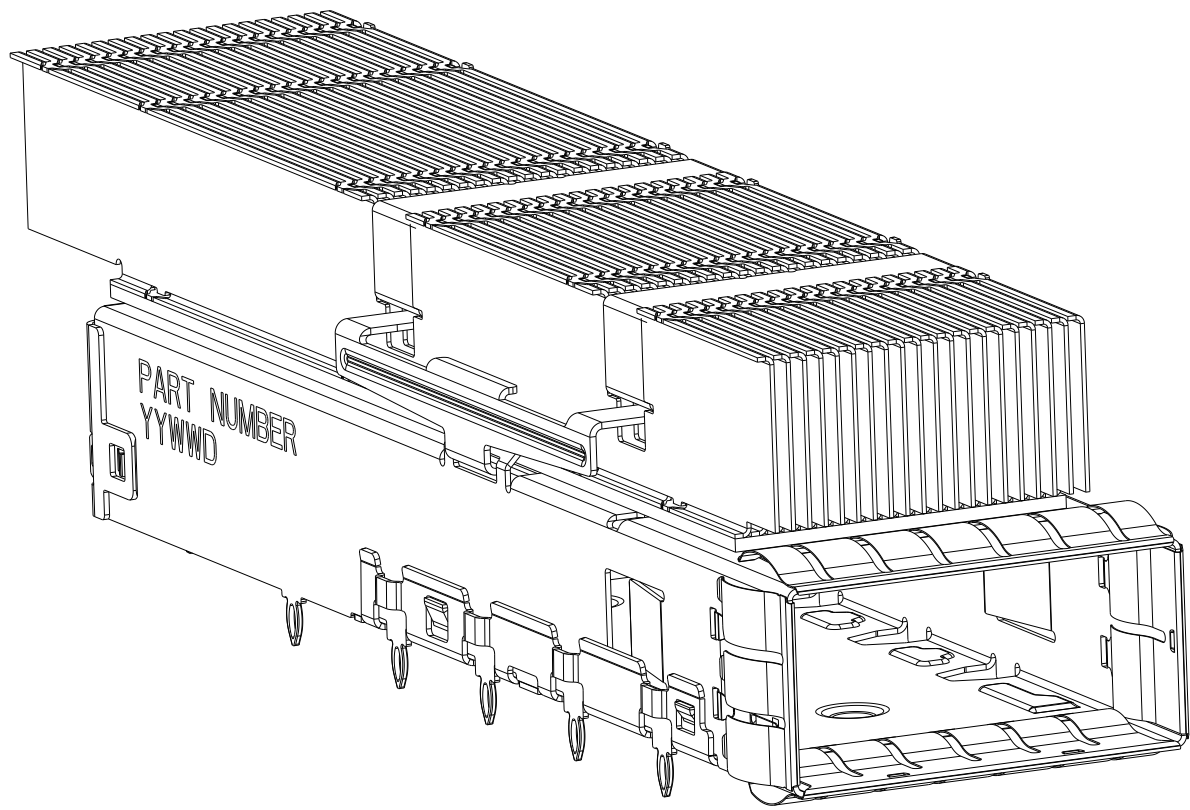
SCALE 3:1



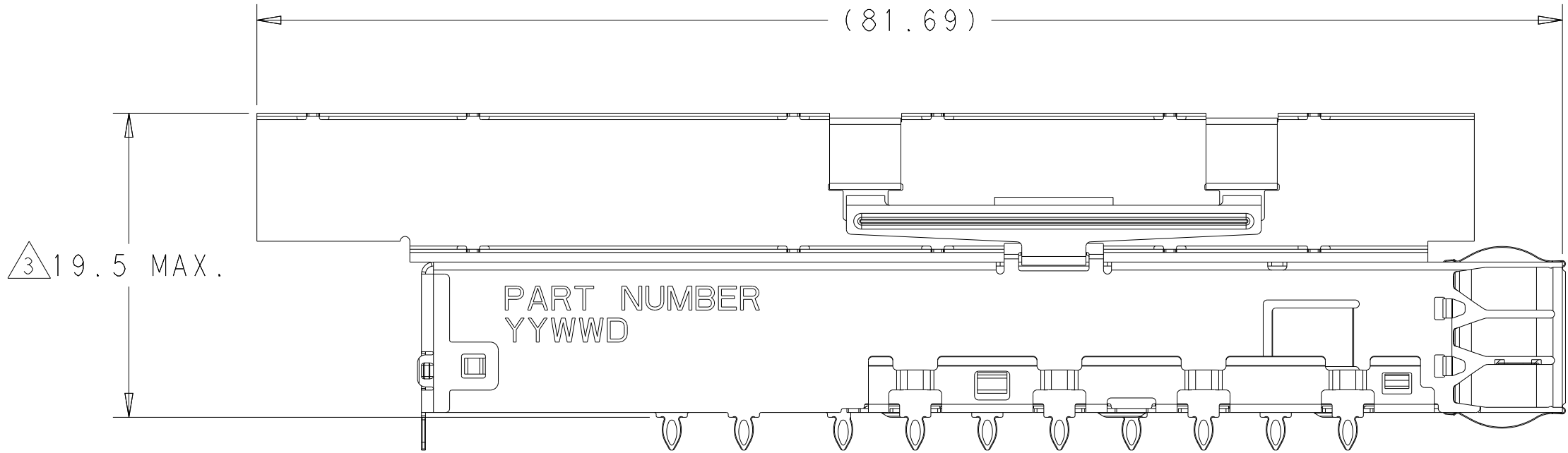
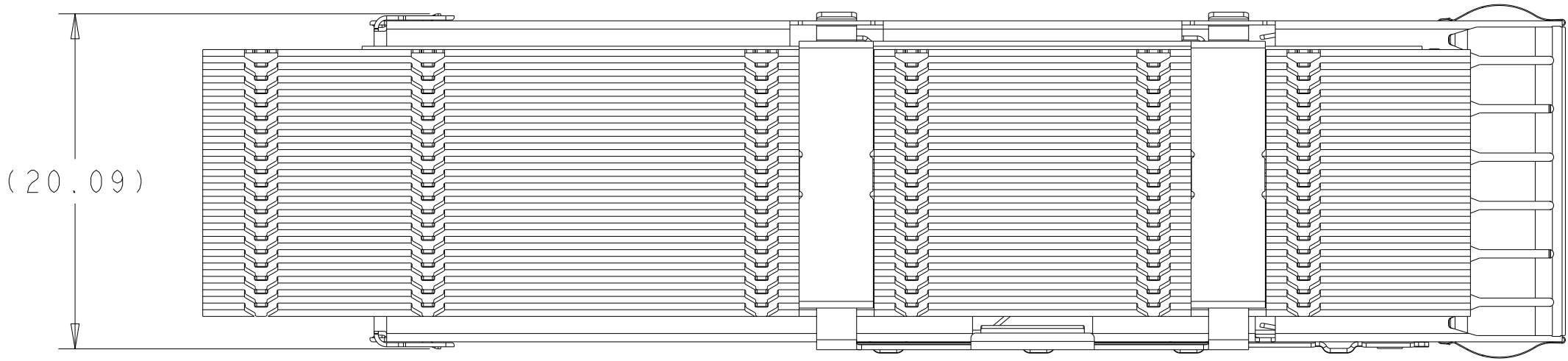
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	24AUG2017		 TE Connectivity	
		CHK	24AUG2017			
DIMENSIONS:		SEAN HAN	24AUG2017		NAME	
mm		APVD	24AUG2017			
		PRODUCT SPEC		CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER		
		APPLICATION SPEC				
		1 P/LC	±0.25		SIZE	
		1 P/LC	±0.25			
		2 P/LC	±0.20		CAGE CODE	
		3 P/LC	±0.10			
		4 P/LC	±0.10		DRAWING NO	
		ANGLES		RESTRICTED TO		
		FINISH		-		
MATERIAL		-		-		
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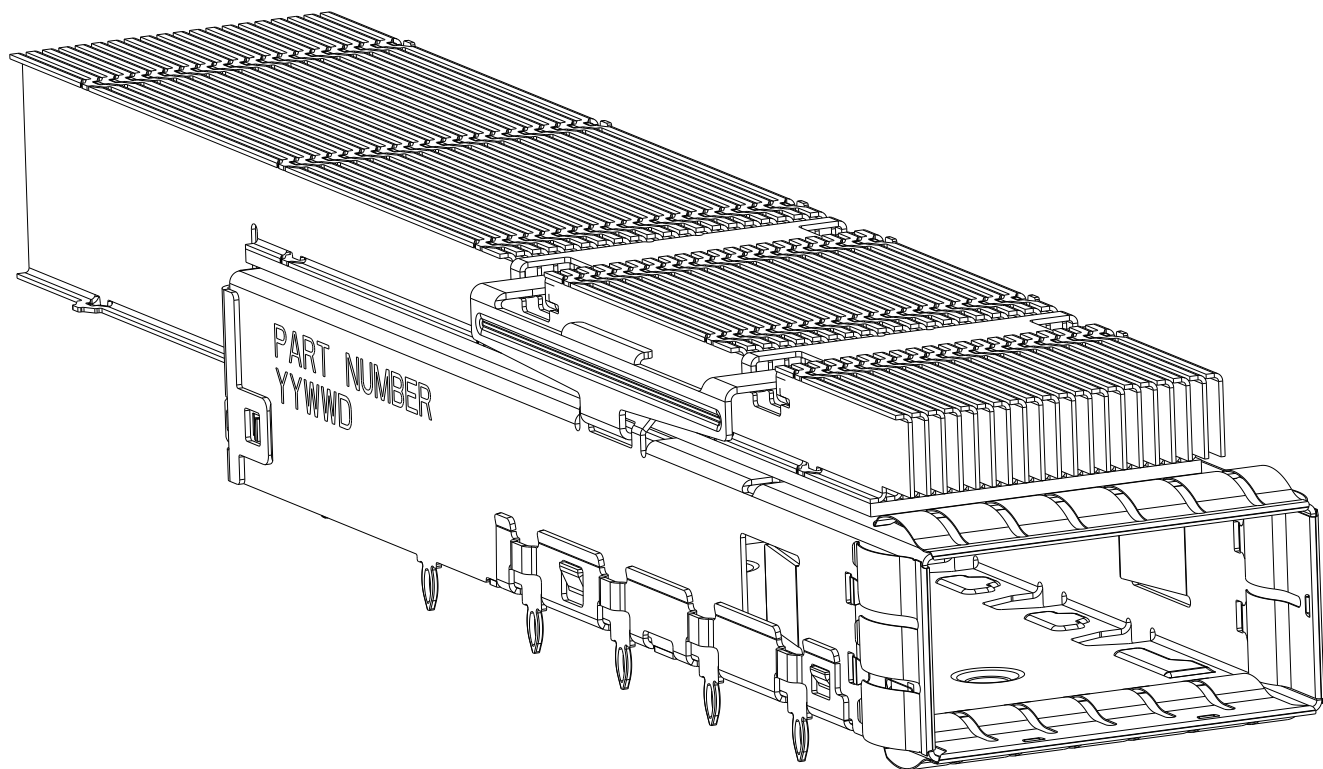
LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



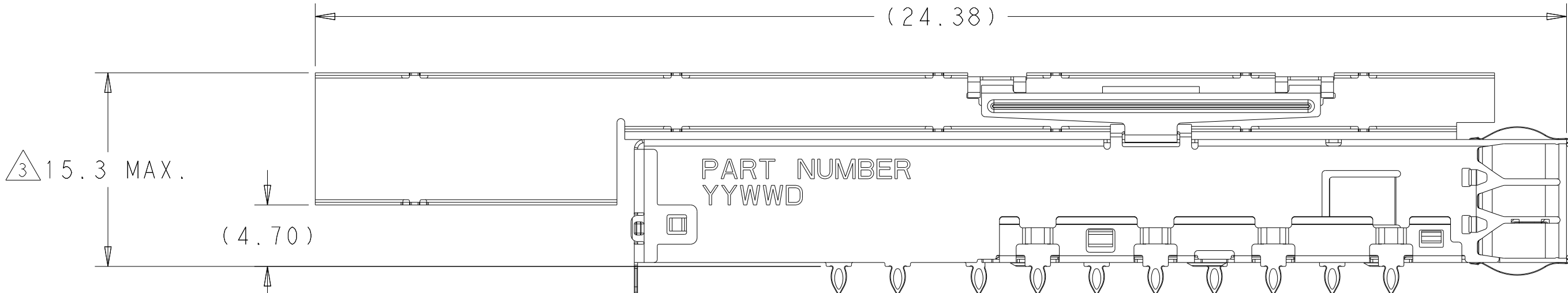
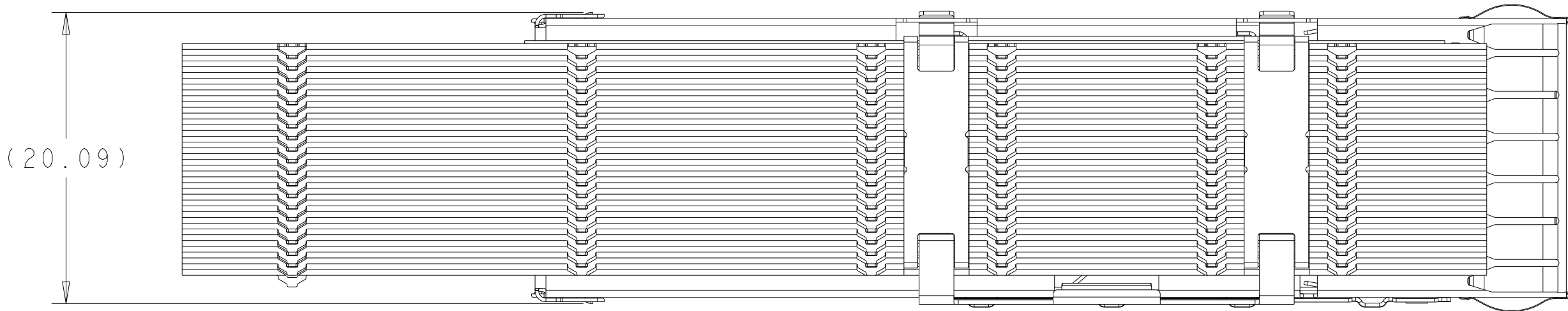
2324193-5 AS SHOWN
SAME AS -3 EXCEPT W/O LP
SCALE 3:1



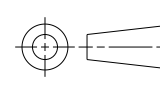
SCALE 3:1



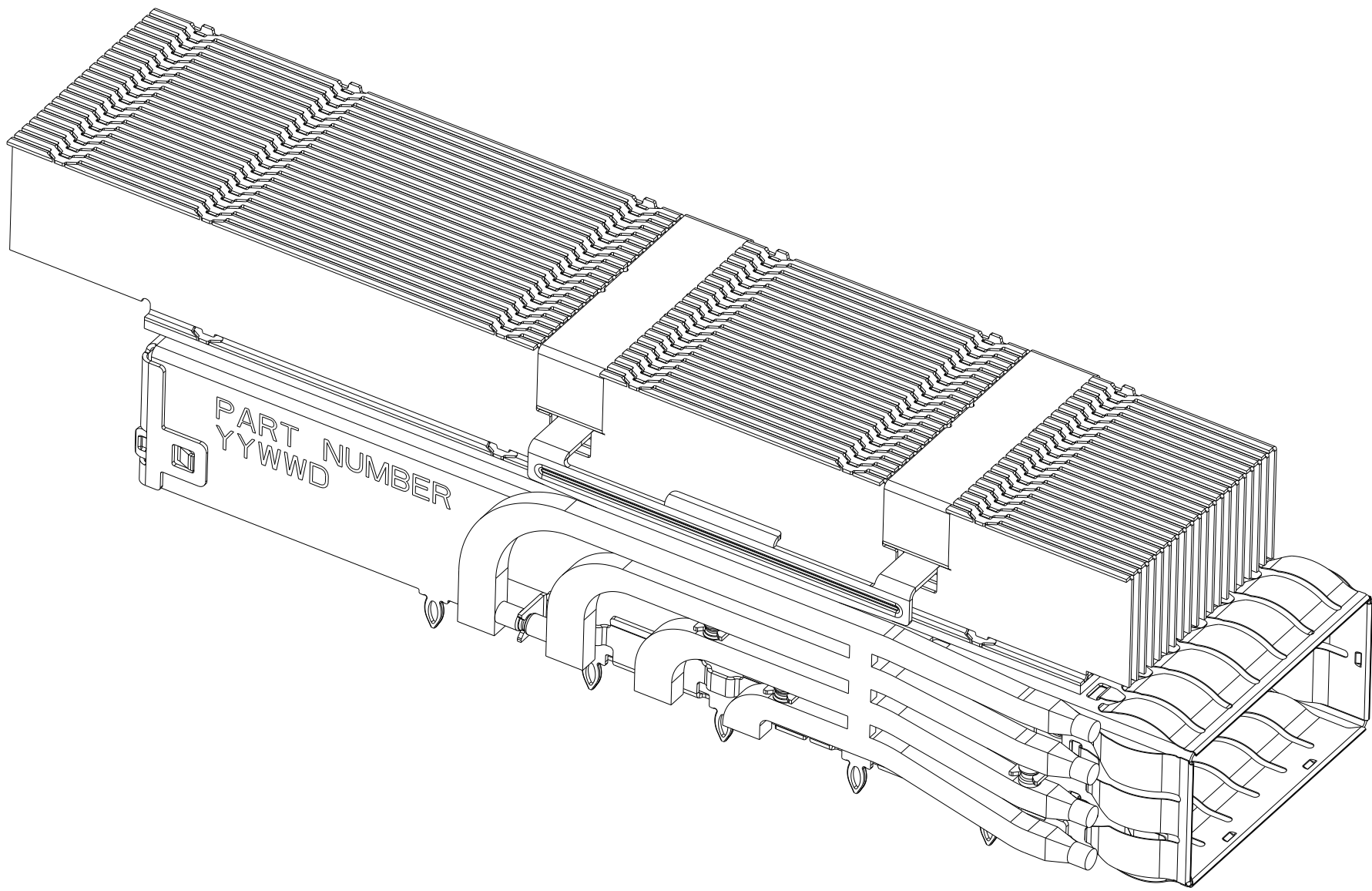
2324193-6 AS SHOWN
SAME AS -4 EXCEPT W/O LP
SCALE 3:1



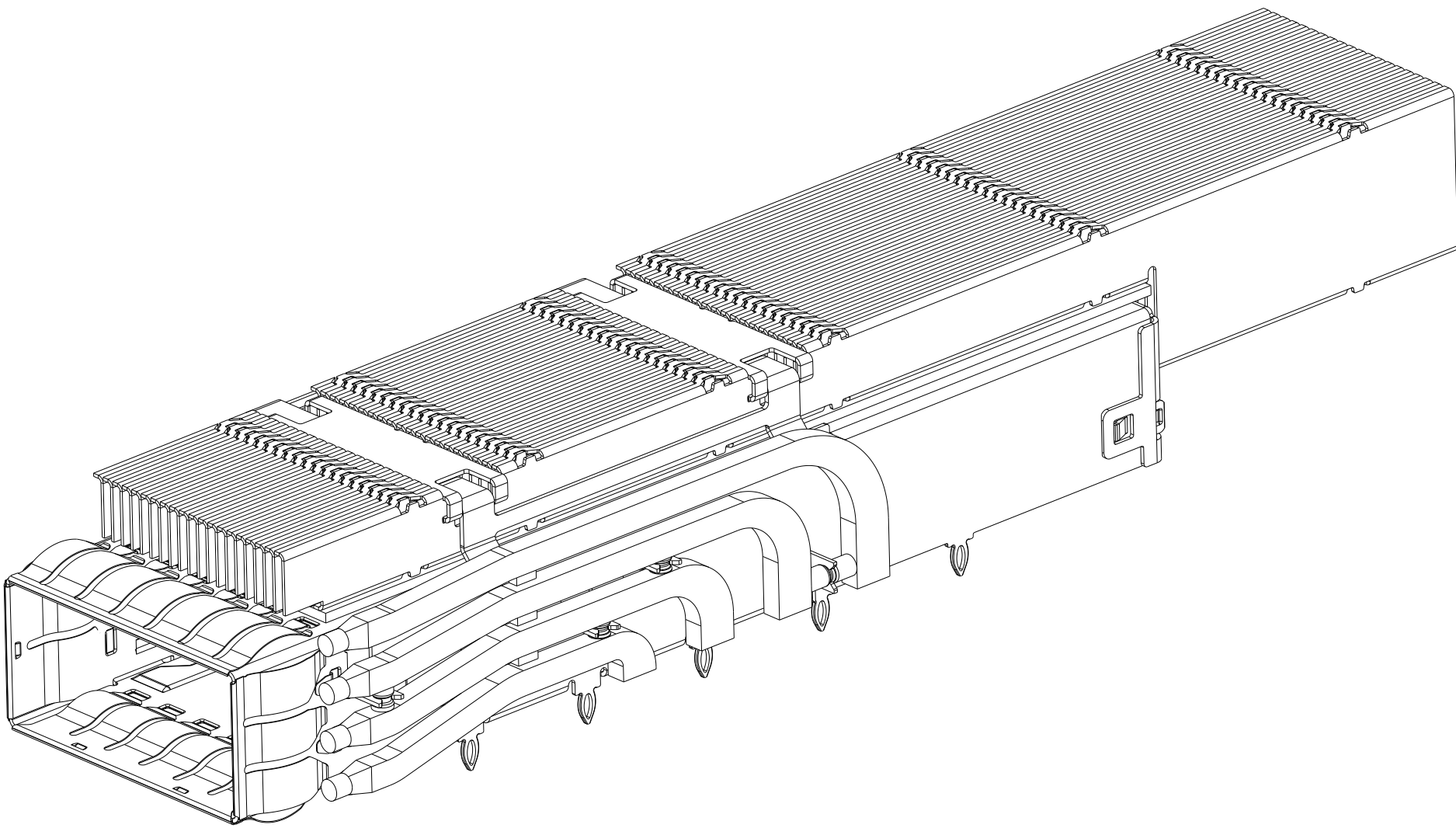
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	ARTHUR JIN		24AUG2017		 TE Connectivity			
DIMENSIONS:		CHK	SEAN HAN		24AUG2017					
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:				APVD	SEAN HAN	24AUG2017	NAME	CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER
		0 PLC ±0.25				PRODUCT SPEC				
		1 PLC ±0.25				APPLICATION SPEC				
		2 PLC ±0.20								
		3 PLC ±0.10								
		4 PLC ±.								
ANGLES ±.						SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
FINISH						A1	-	C=2324193	-	
MATERIAL				-		WEIGHT		-		
						CUSTOMER DRAWING				
						SCALE		2:1		
						SHEET		4		
						OF		12		
						REV		A3		

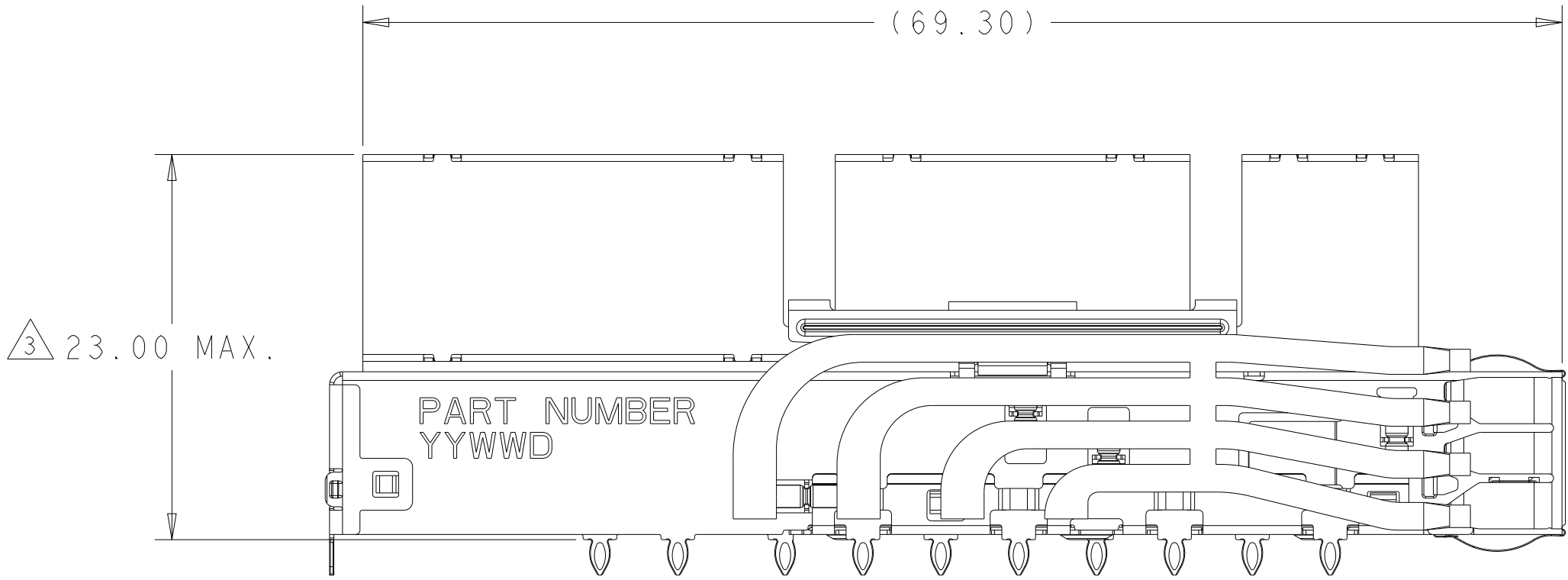
LOC		DIST		REVISIONS				
-	-	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	



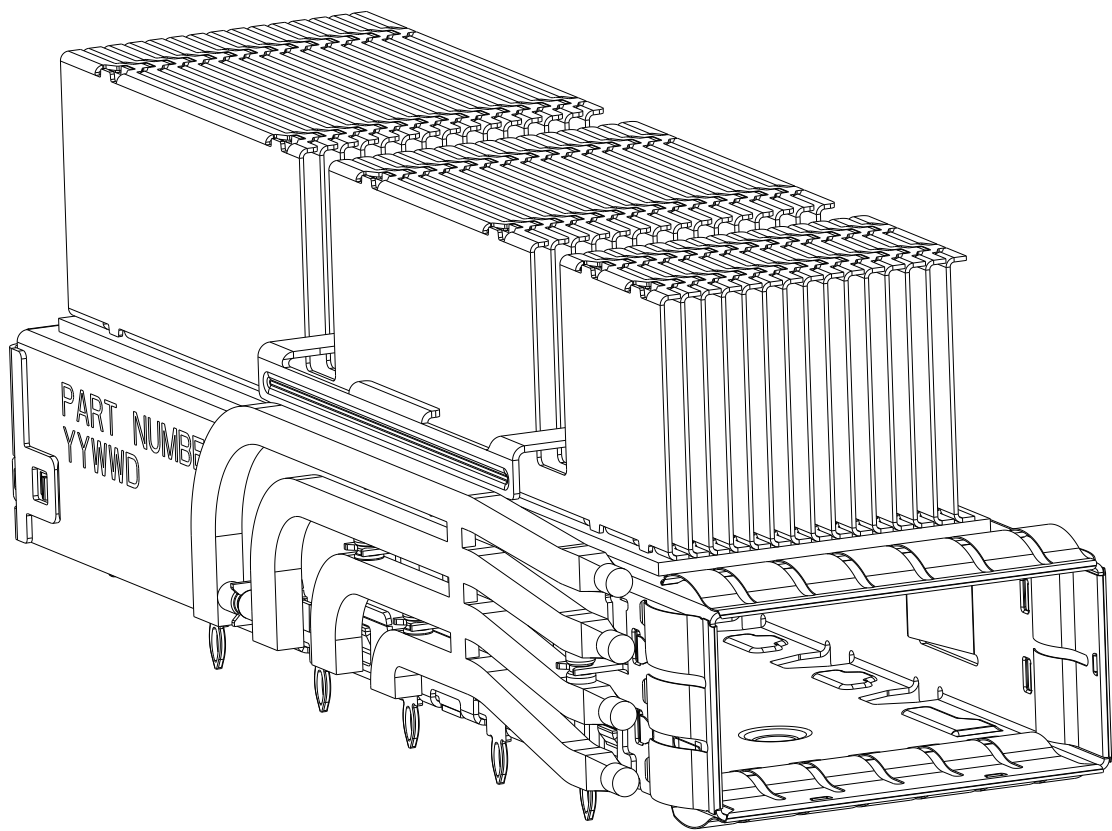
2324193-7 AS SHOWN
SAME AS -3 EXCEPT WITH COATED LP
SCALE 3:1



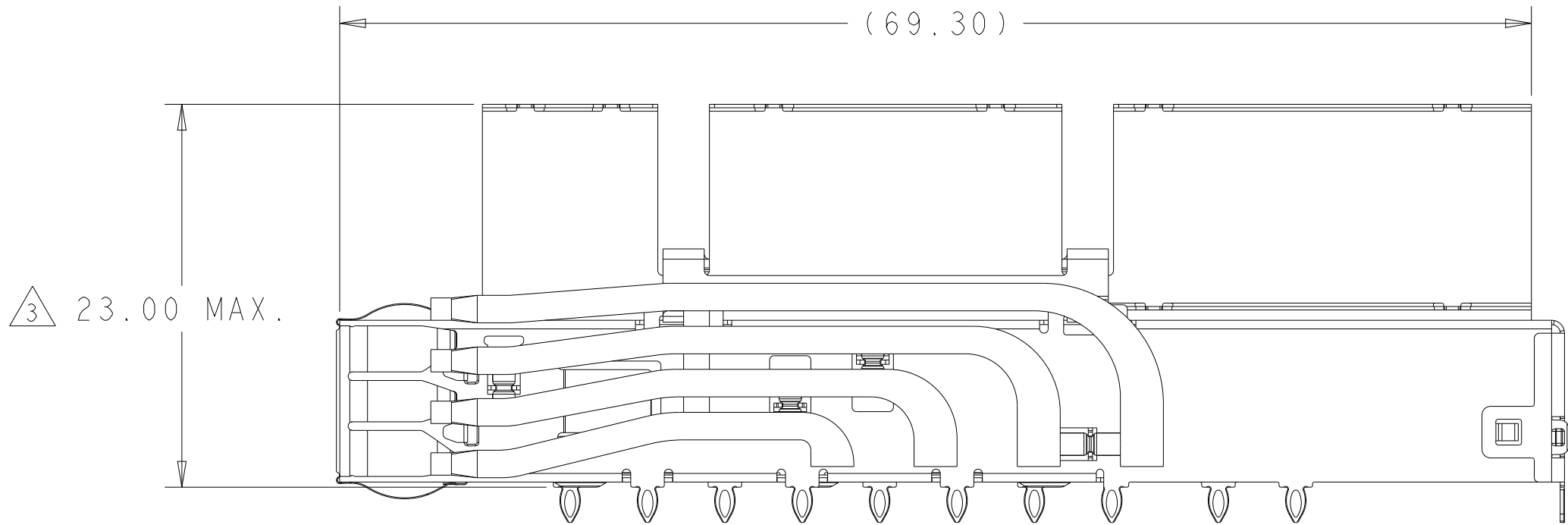
2324193-8 AS SHOWN
SAME AS -4 EXCEPT W/ COATED LP
SCALE 3:1



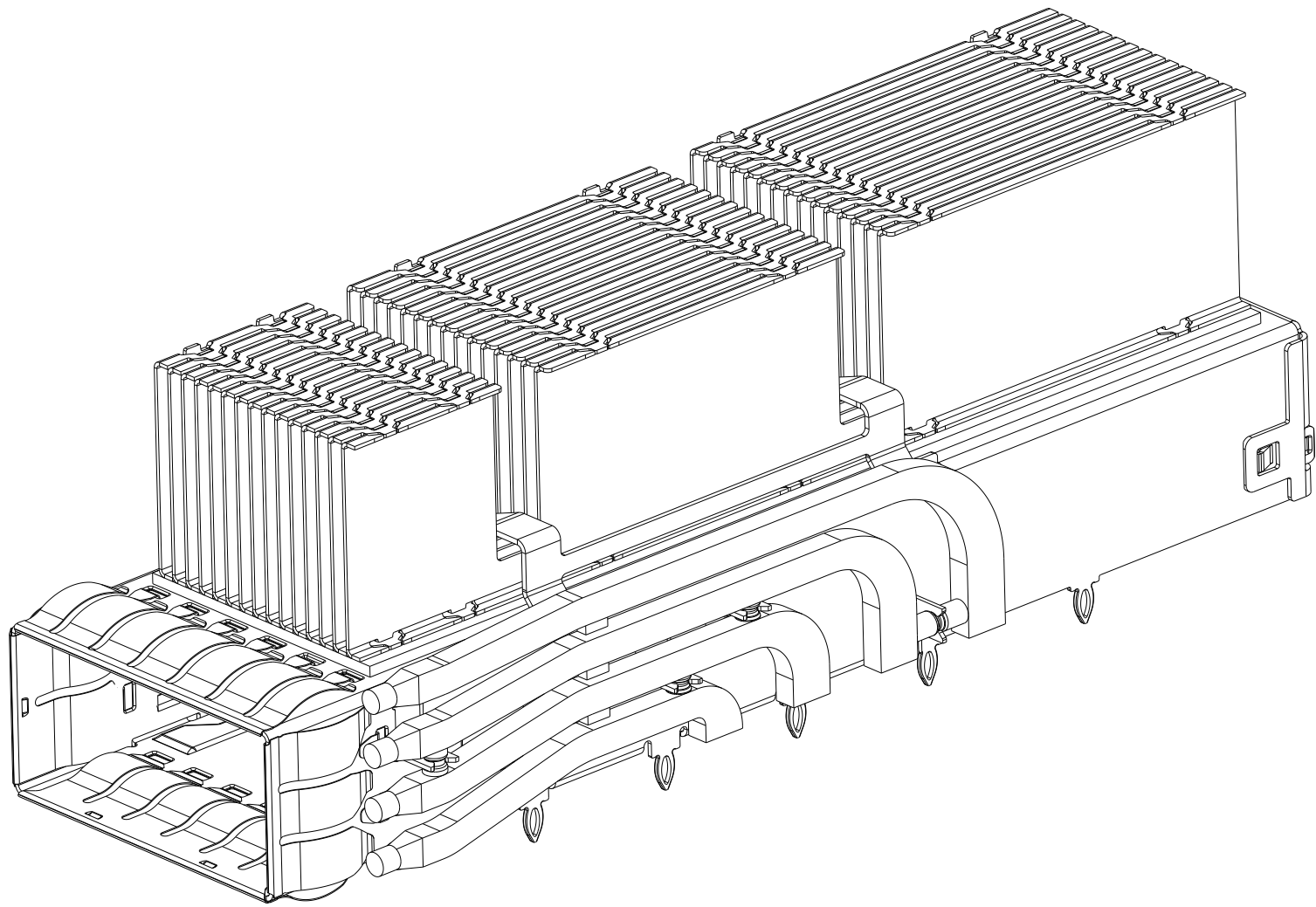
2324193-9 AS SHOWN
SAME AS -7 EXCEPT W/ HIGHER HS
SCALE 3:1



2324193-9 AS SHOWN
SCALE 3:1



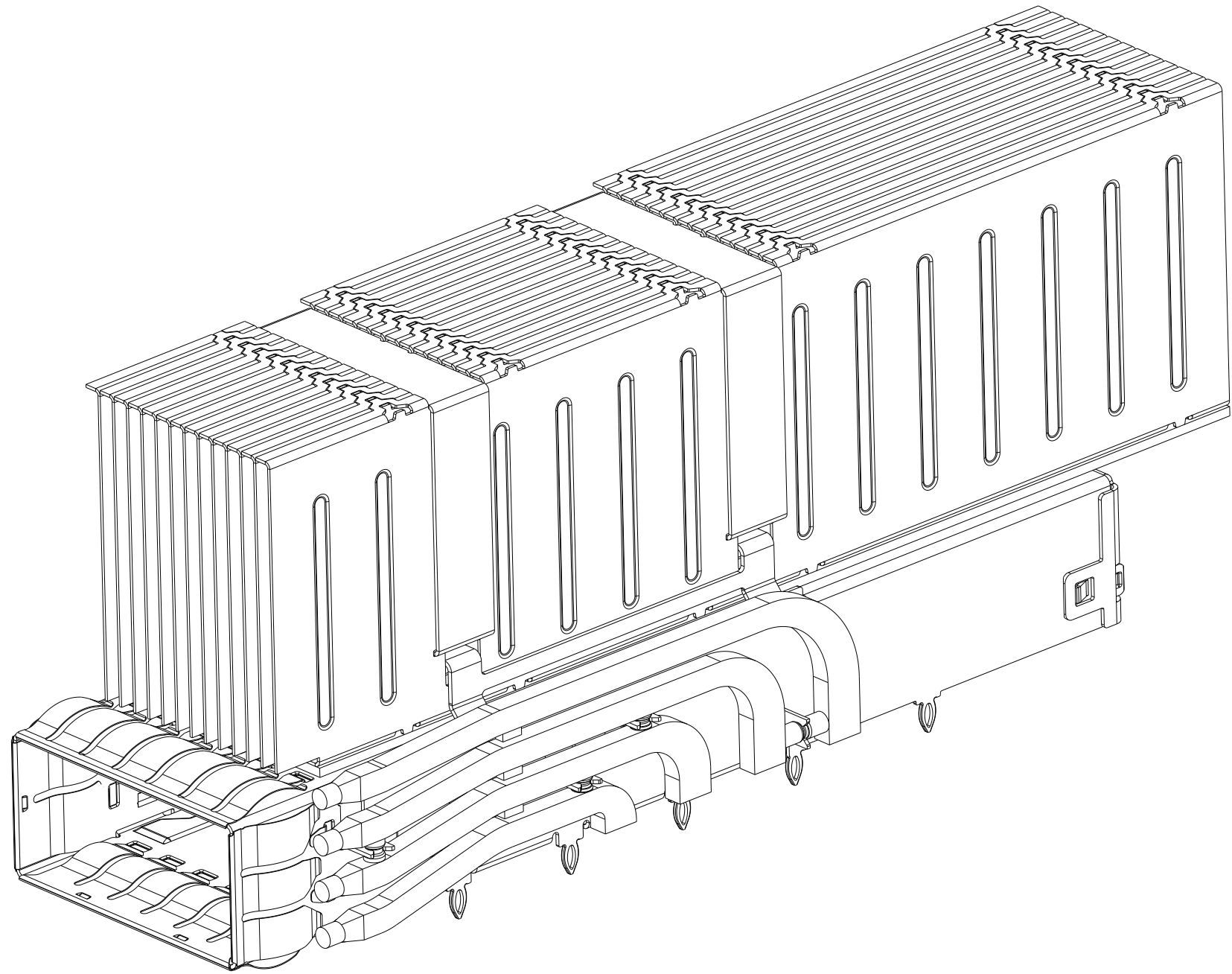
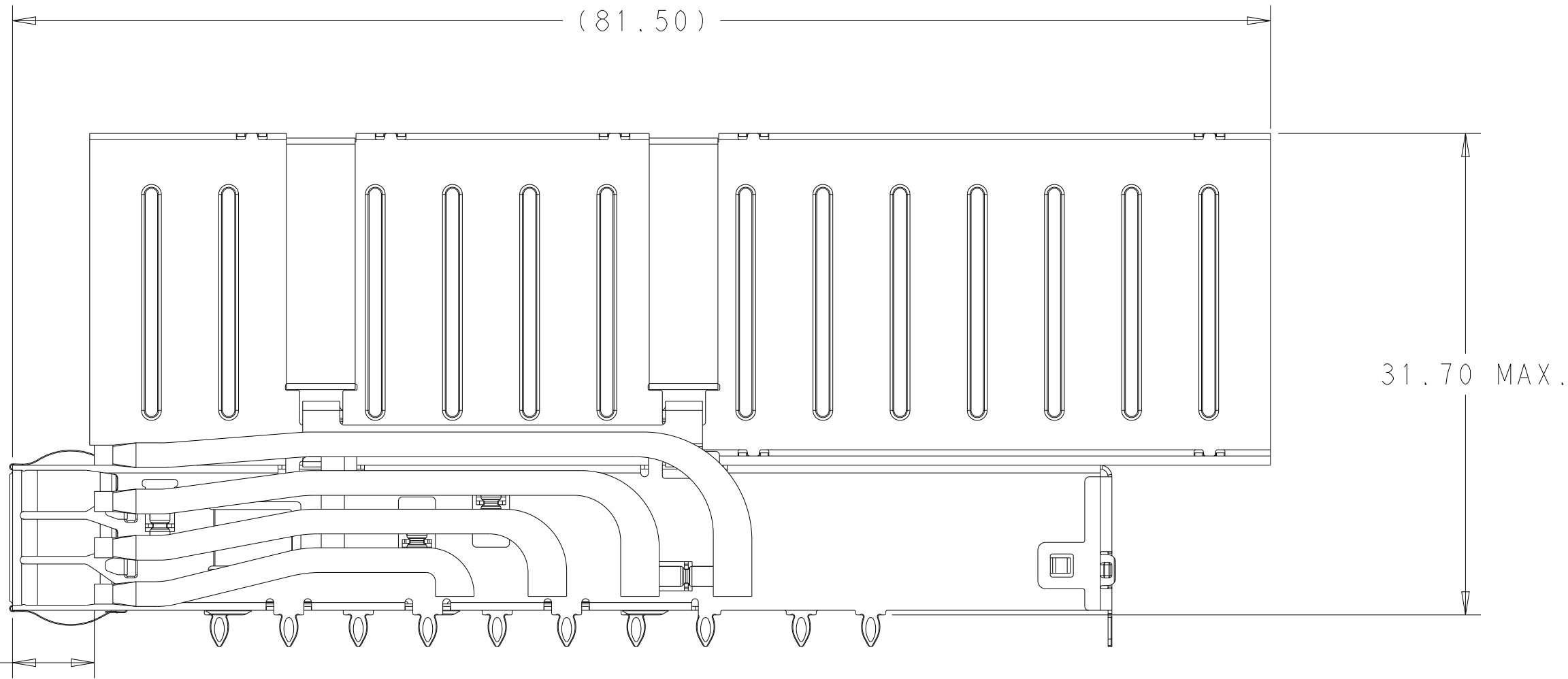
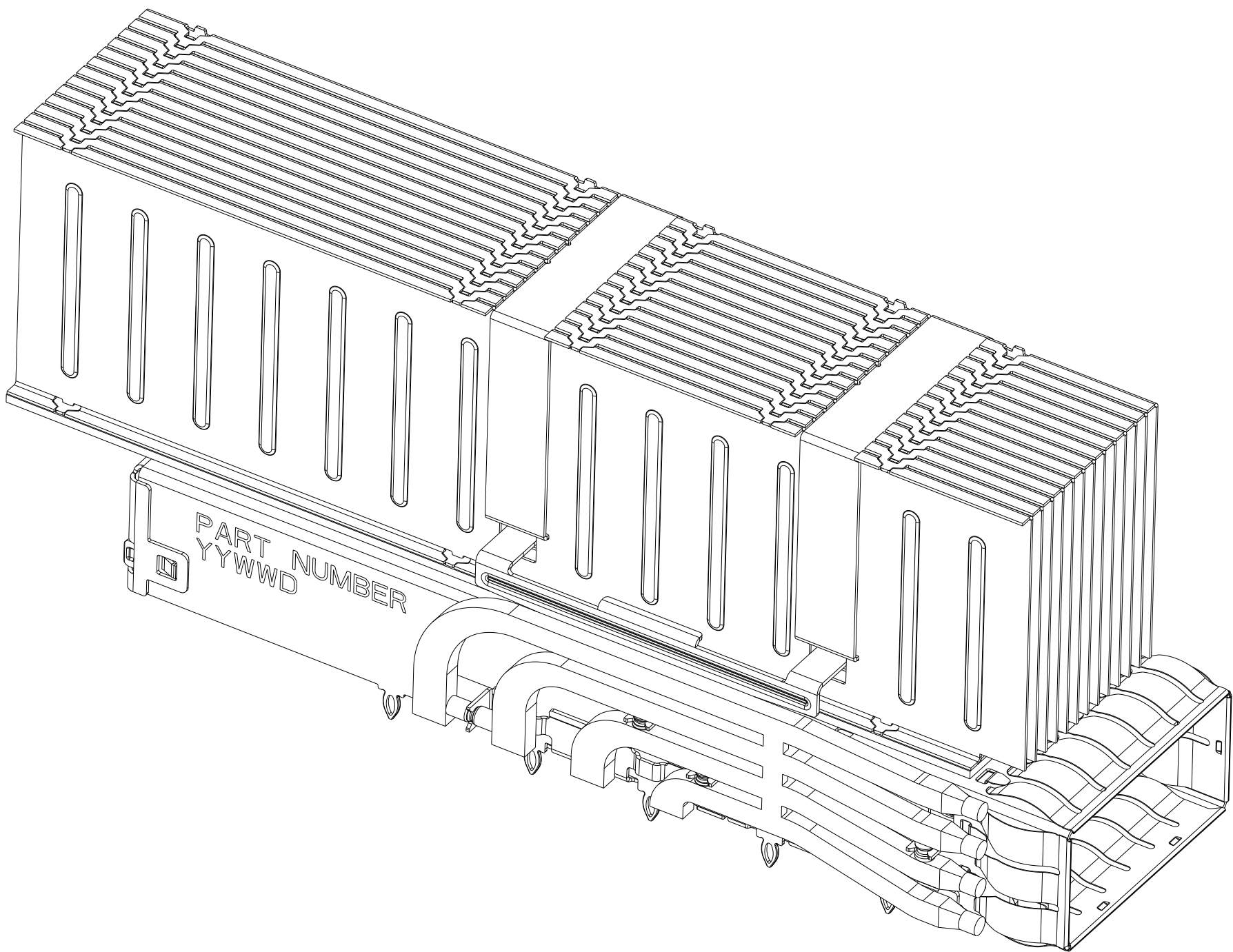
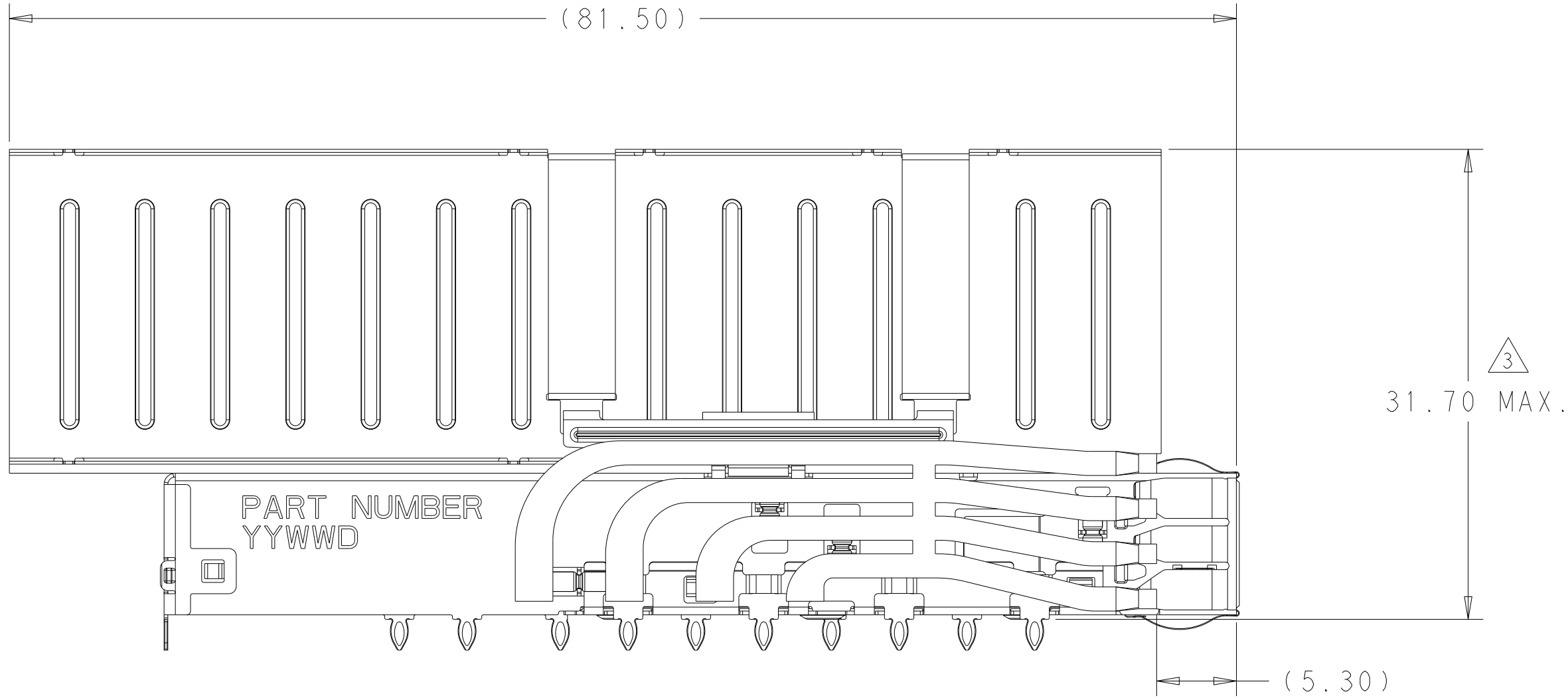
1-2324193-0 AS SHOWN
SAME AS -9 EXCEPT W/ RIGHT LP
SCALE 3:1



1-2324193-0 AS SHOWN
SAME AS -9 EXCEPT W/ RIGHT LP
SCALE 3:1

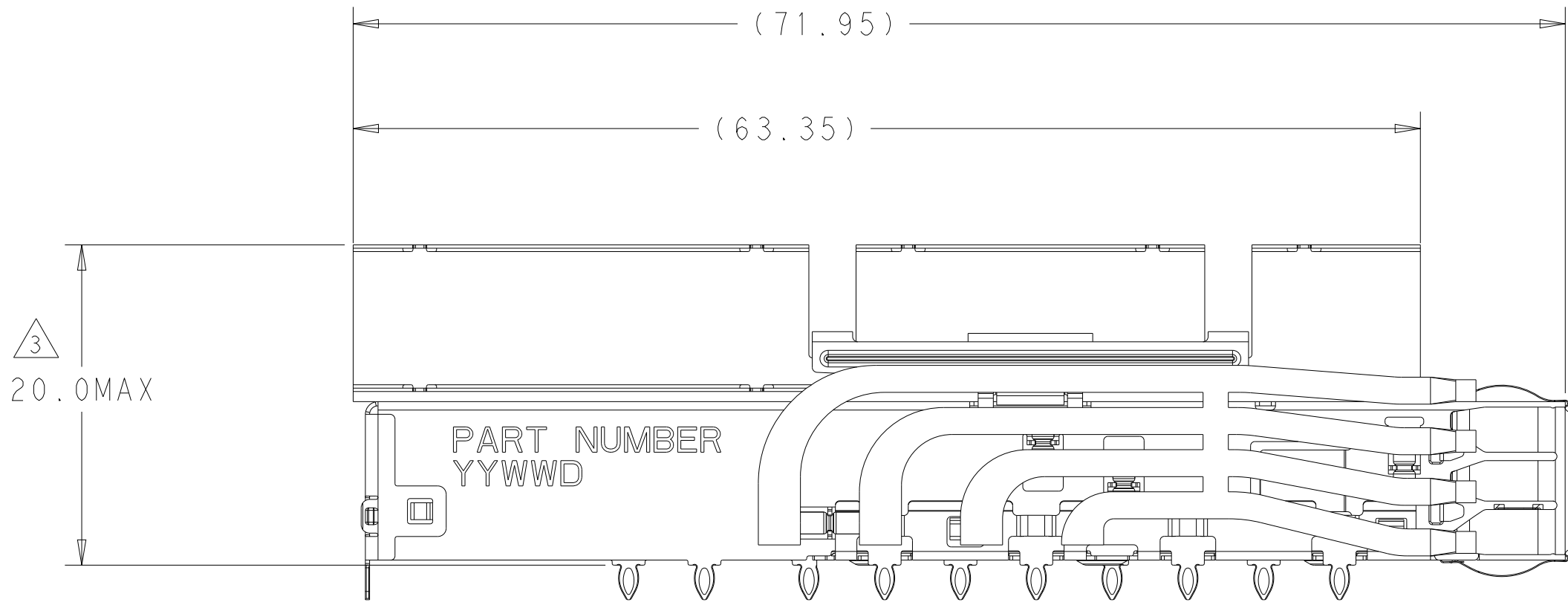
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: ARTHUR JIN 24AUG2017	 TE Connectivity	
		CHK: SEAN HAN 24AUG2017		
DIMENSIONS:		APVD: SEAN HAN 24AUG2017	NAME	CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER
mm		PRODUCT SPEC		
		APPLICATION SPEC	SIZE	CAGE CODE
		WEIGHT	A1	-
MATERIAL		CUSTOMER DRAWING	SCALE	2:1
			SHEET	5
			OF	12
			REV	A3

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

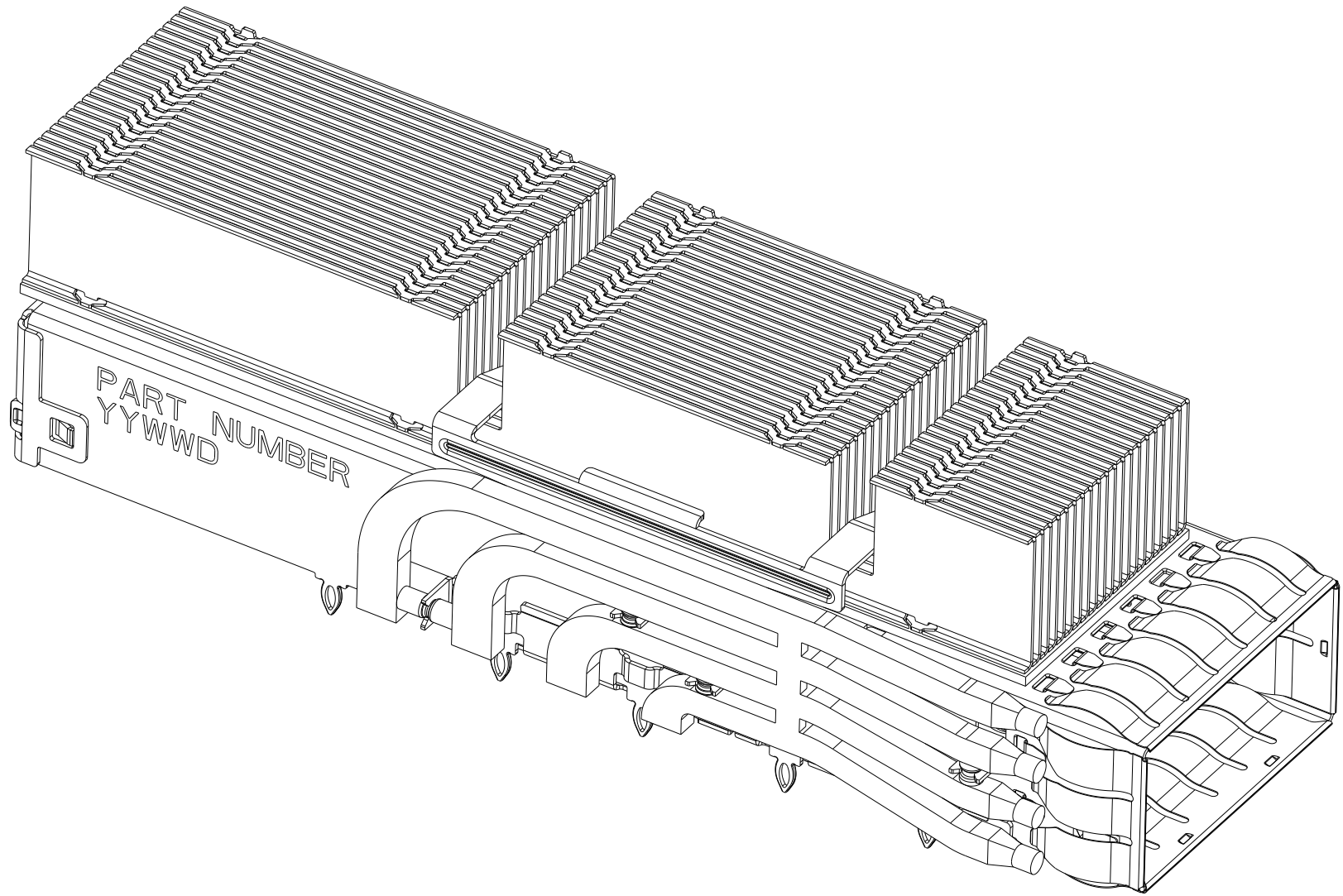


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN: ARTHUR JIN 24AUG2017				TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK: SEAN HAN 24AUG2017		NAME: CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER			
mm				APVD: SEAN HAN 24AUG2017					
		0 P/LC ±0.25		PRODUCT SPEC		SIZE: A1			
		0.1 P/LC ±0.25							
		2 P/LC ±0.20							
		3 P/LC ±0.10							
		4 P/LC ±0.10							
ANGLE 1° ±0.5°		FINISH		APPLICATION SPEC		CAGE CODE: -			
MATERIAL: -		-		WEIGHT: -		DRAWING NO: C-2324193			
				CUSTOMER DRAWING		RESTRICTED TO: -			
						SCALE: 2:1			
						SHEET: 6 OF 12			
						REV: A3			

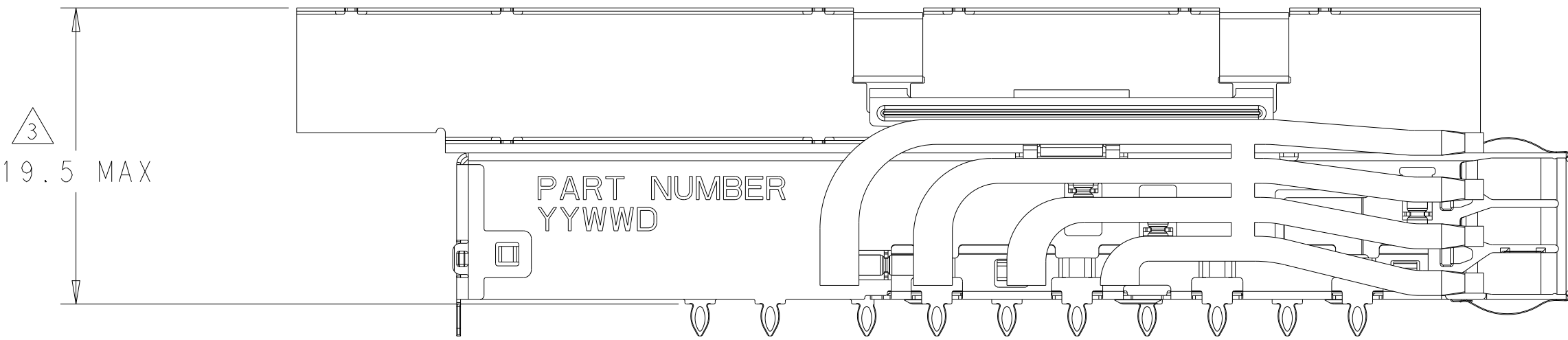
LOC		DIST		REVISONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	



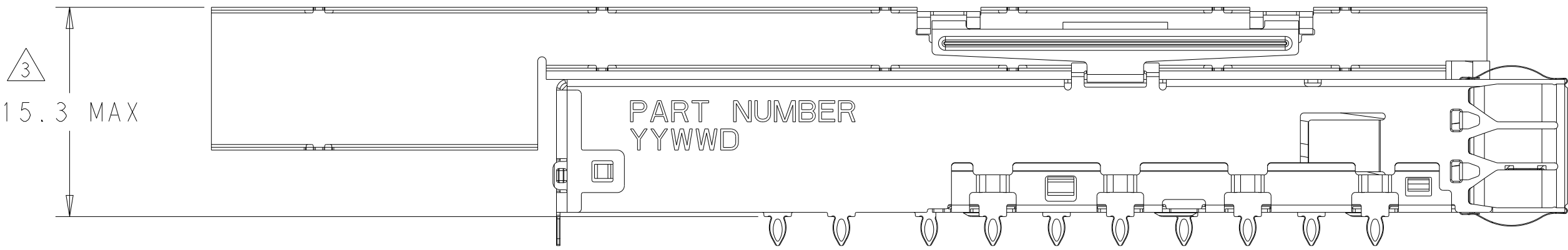
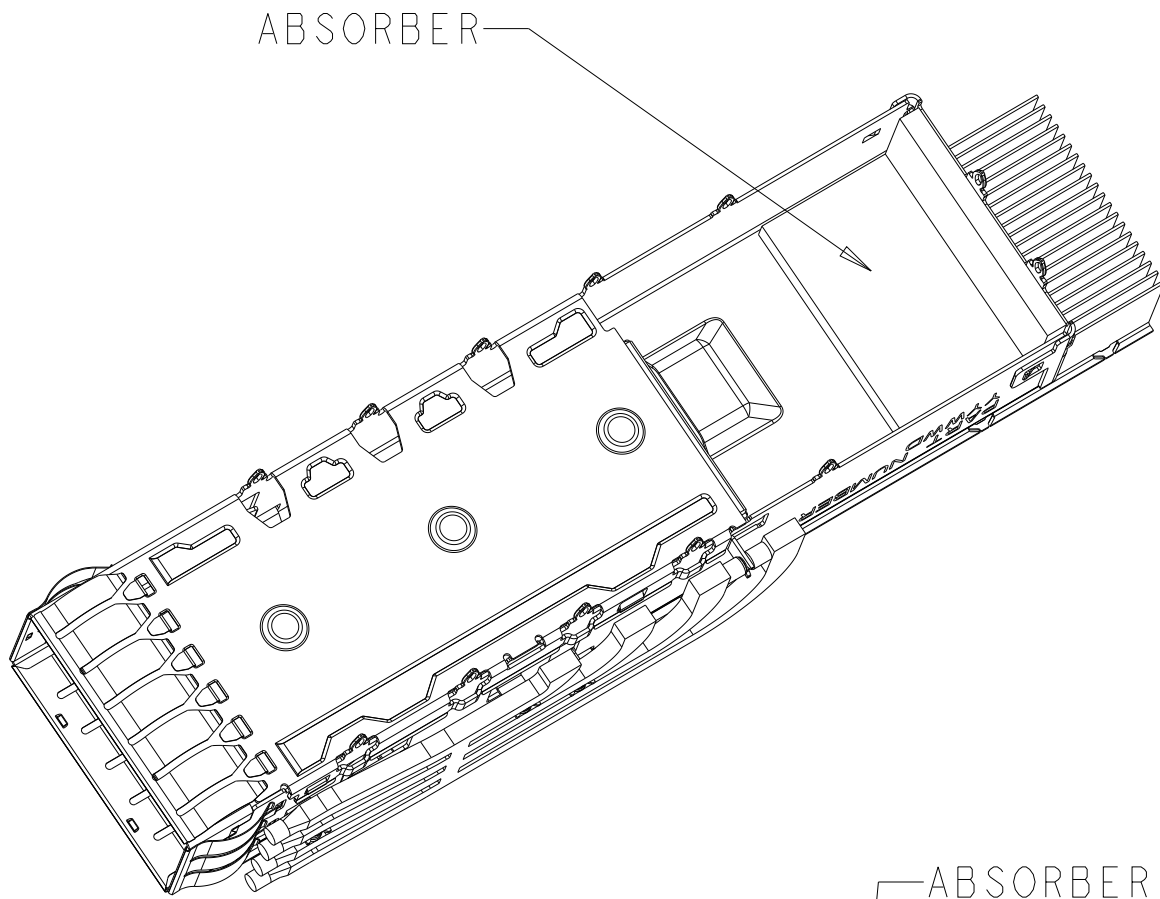
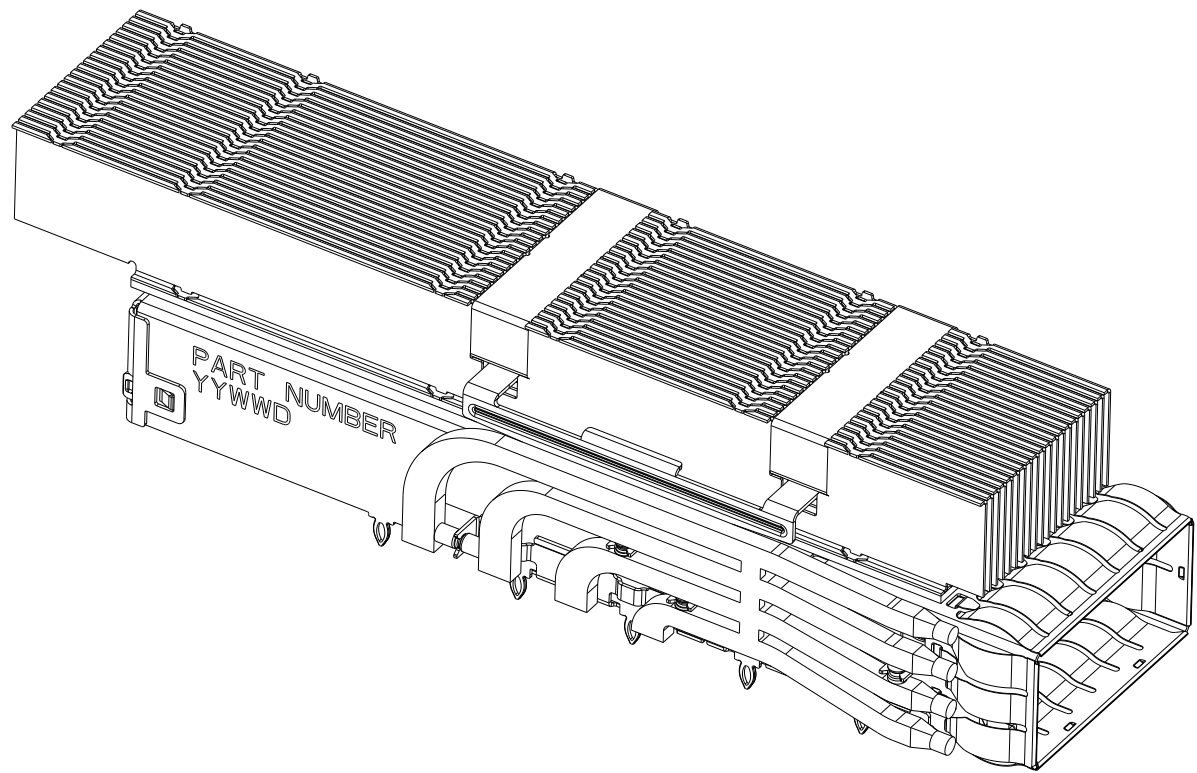
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SAME AS -3 EXCEPT HS AND W/O SEAL SHEET
SCALE 3:1



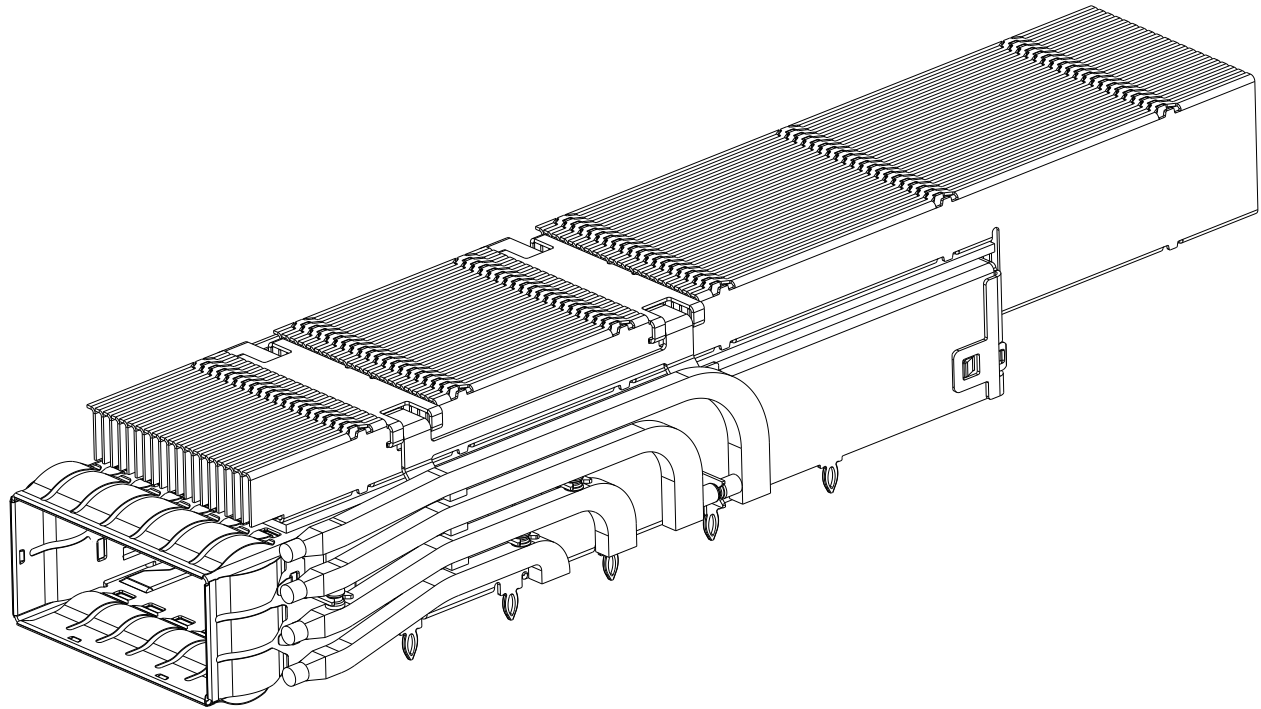
1-2324193-3 AS SHOWN
SCALE 3:1



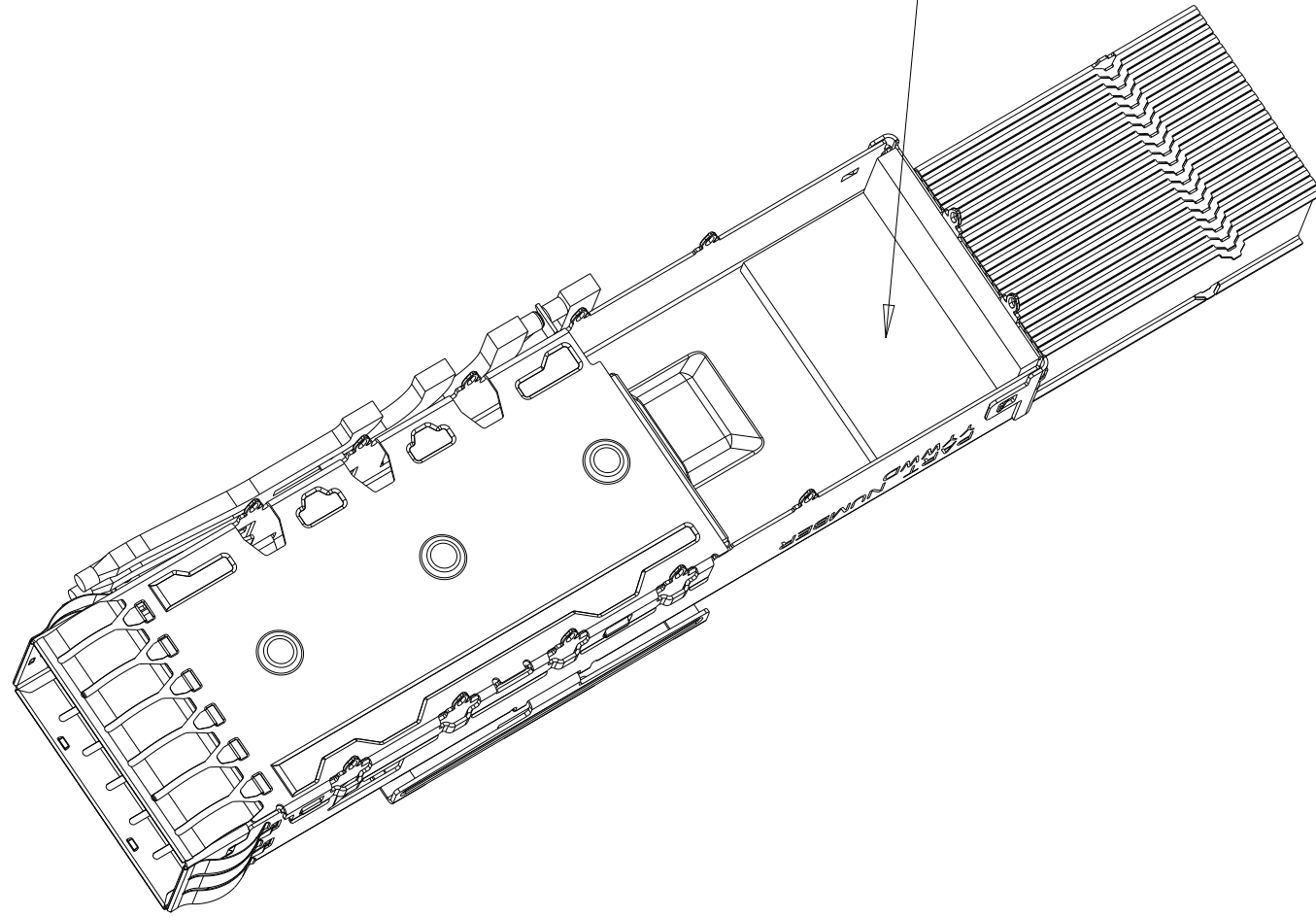
1-2324193-7 SAME AS 2324193-7 EXCEPT WITH ABSORBER
SCALE 3:1

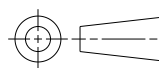


1-2324193-8 SAME AS 2324193-8 EXCEPT WITH ABSORBER
SCALE 3:1



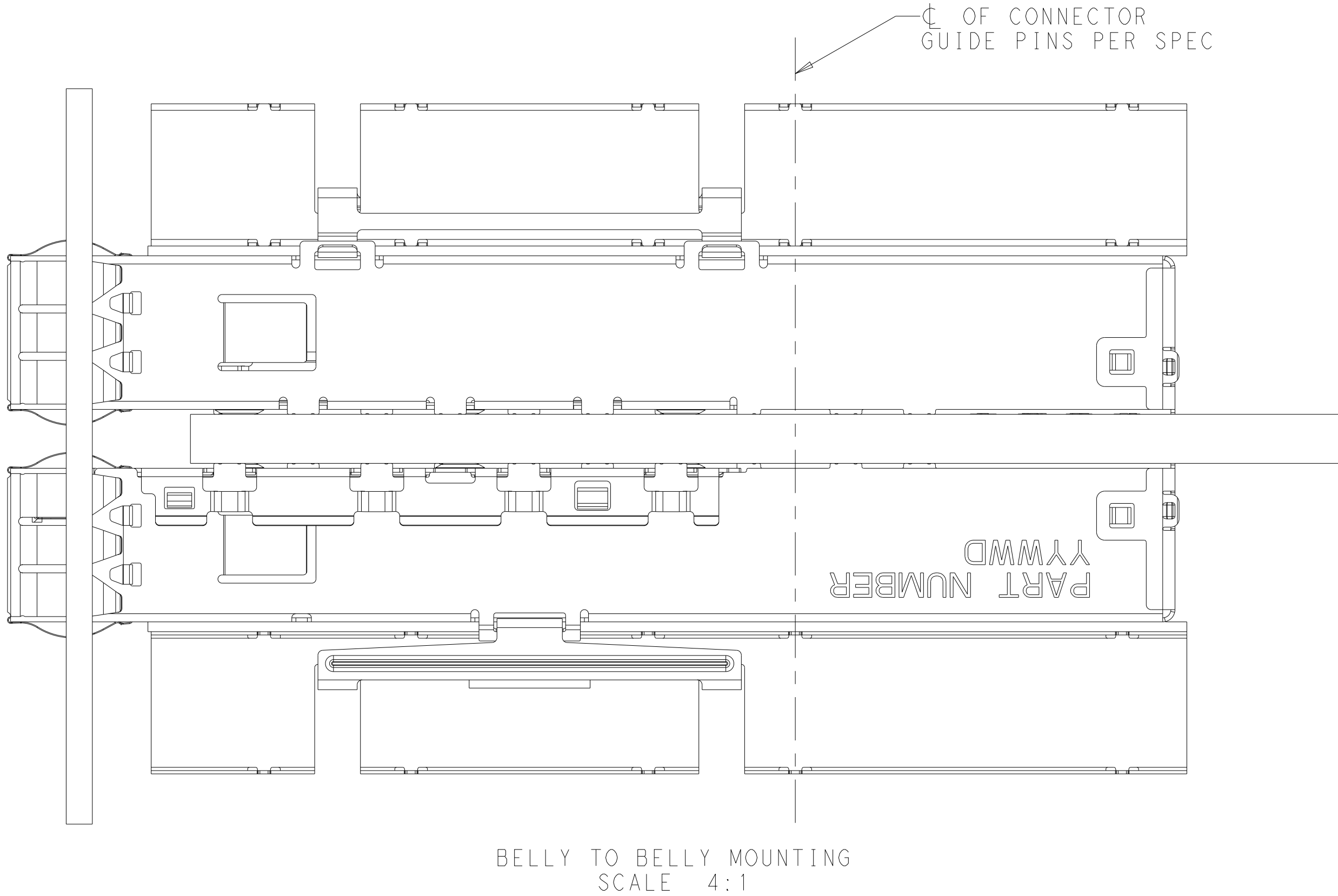
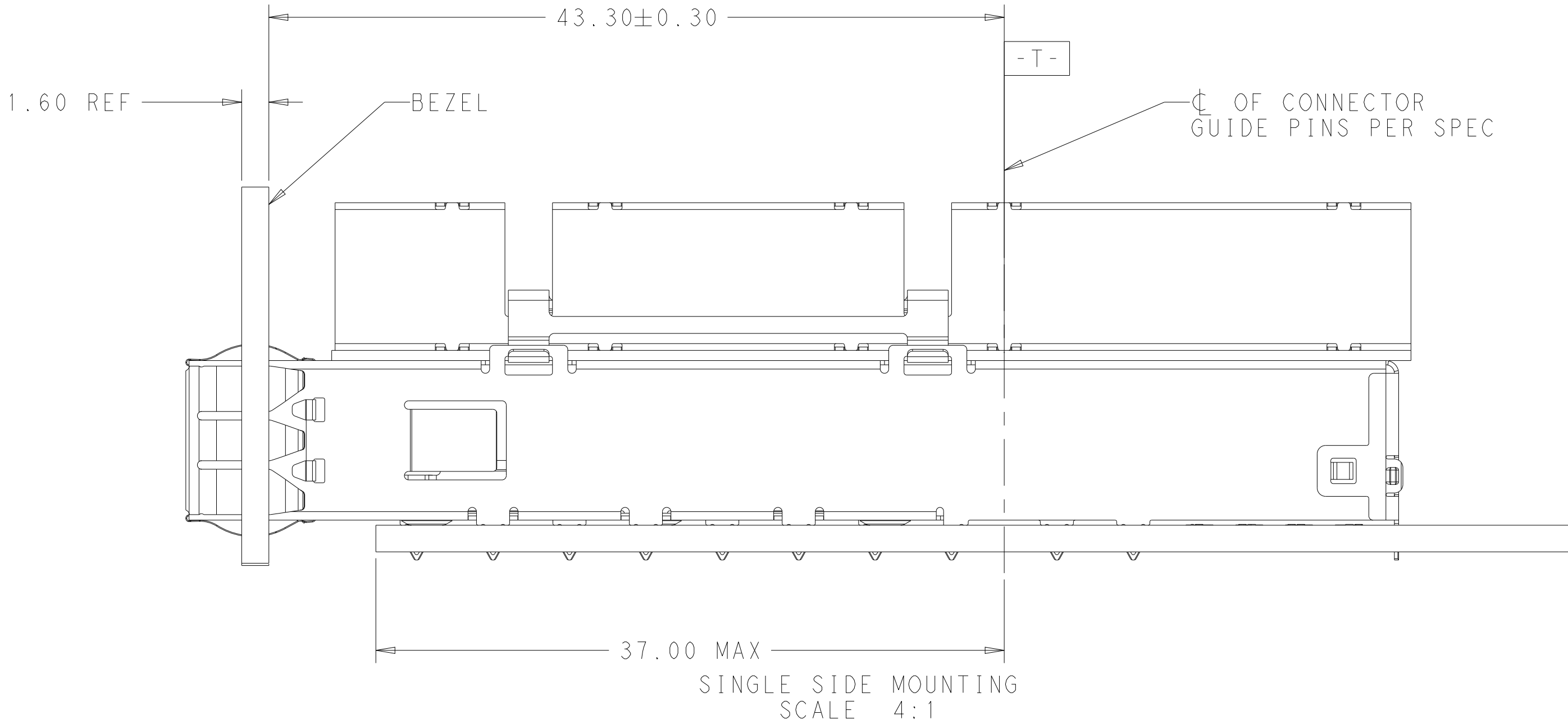
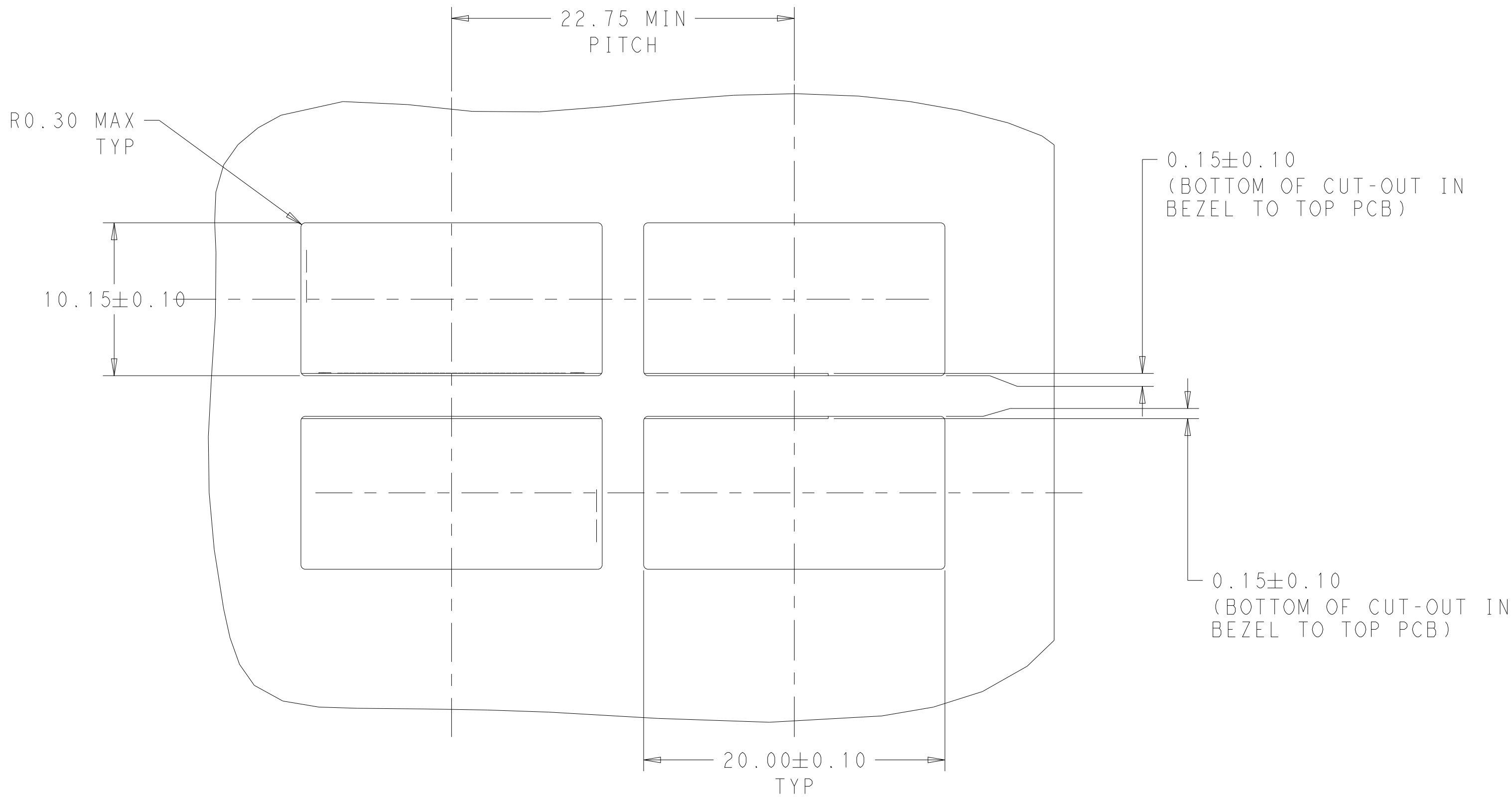
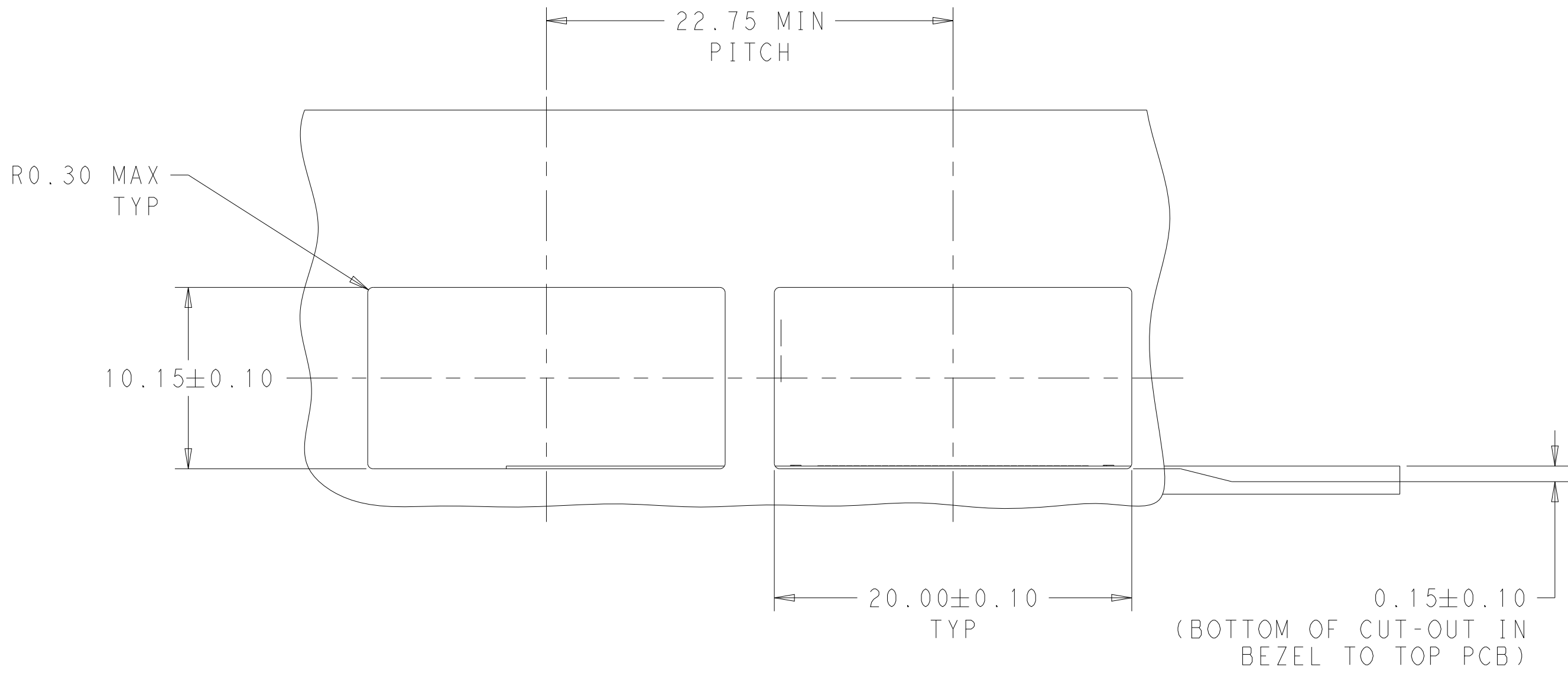
SCALE 2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: ARTHUR JIN 24AUG2017	 TE Connectivity					
		CHK: SEAN HAN 24AUG2017						
DIMENSIONS:		APVD: SEAN HAN 24AUG2017	NAME		CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER			
mm		PRODUCT SPEC						
		APPLICATION SPEC						
MATERIAL		WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
-		-		A1	-	C=2324193	-	
		CUSTOMER DRAWING		SCALE	2:1	SHEET 7 OF 12	REV A3	

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

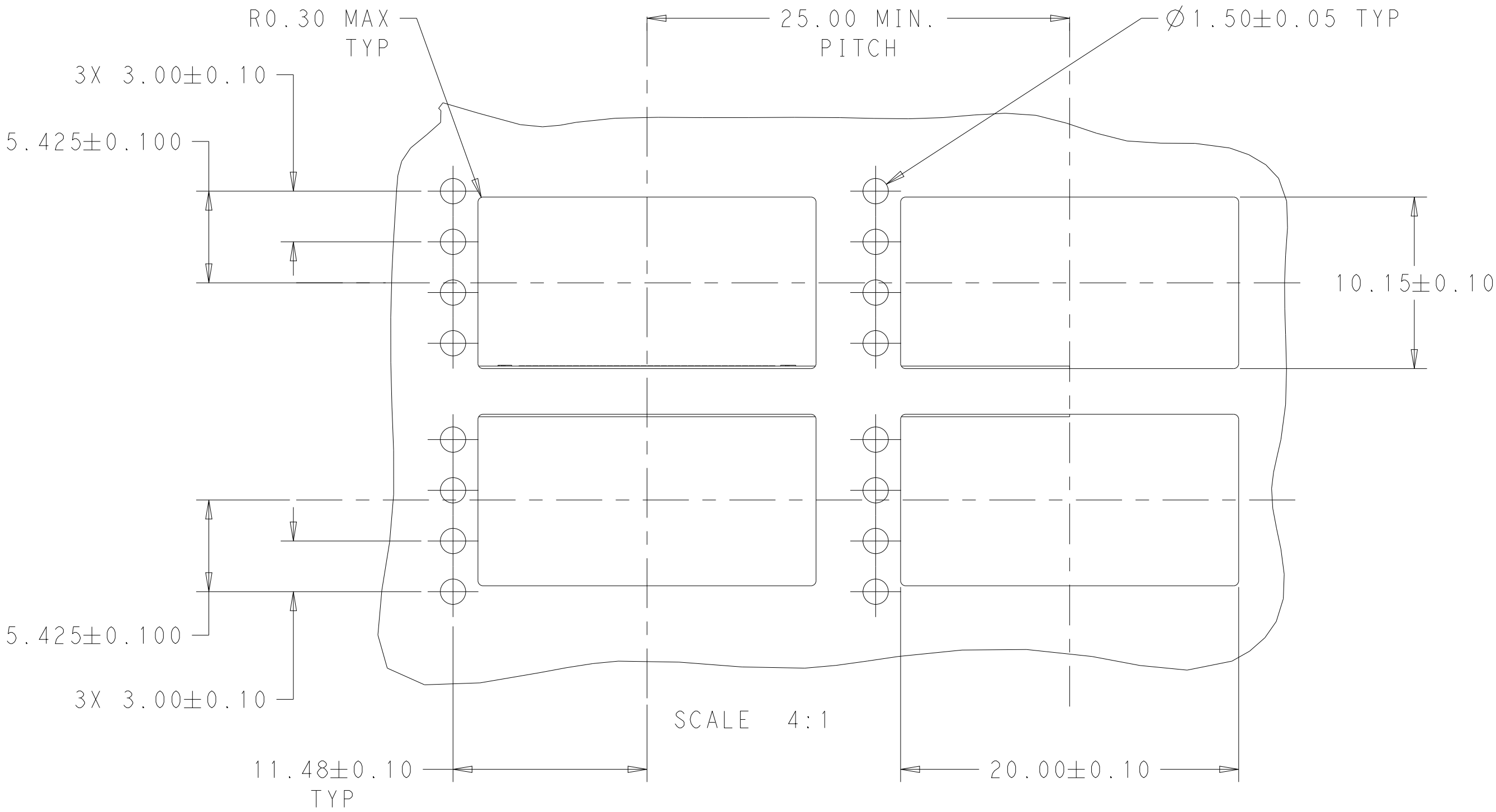
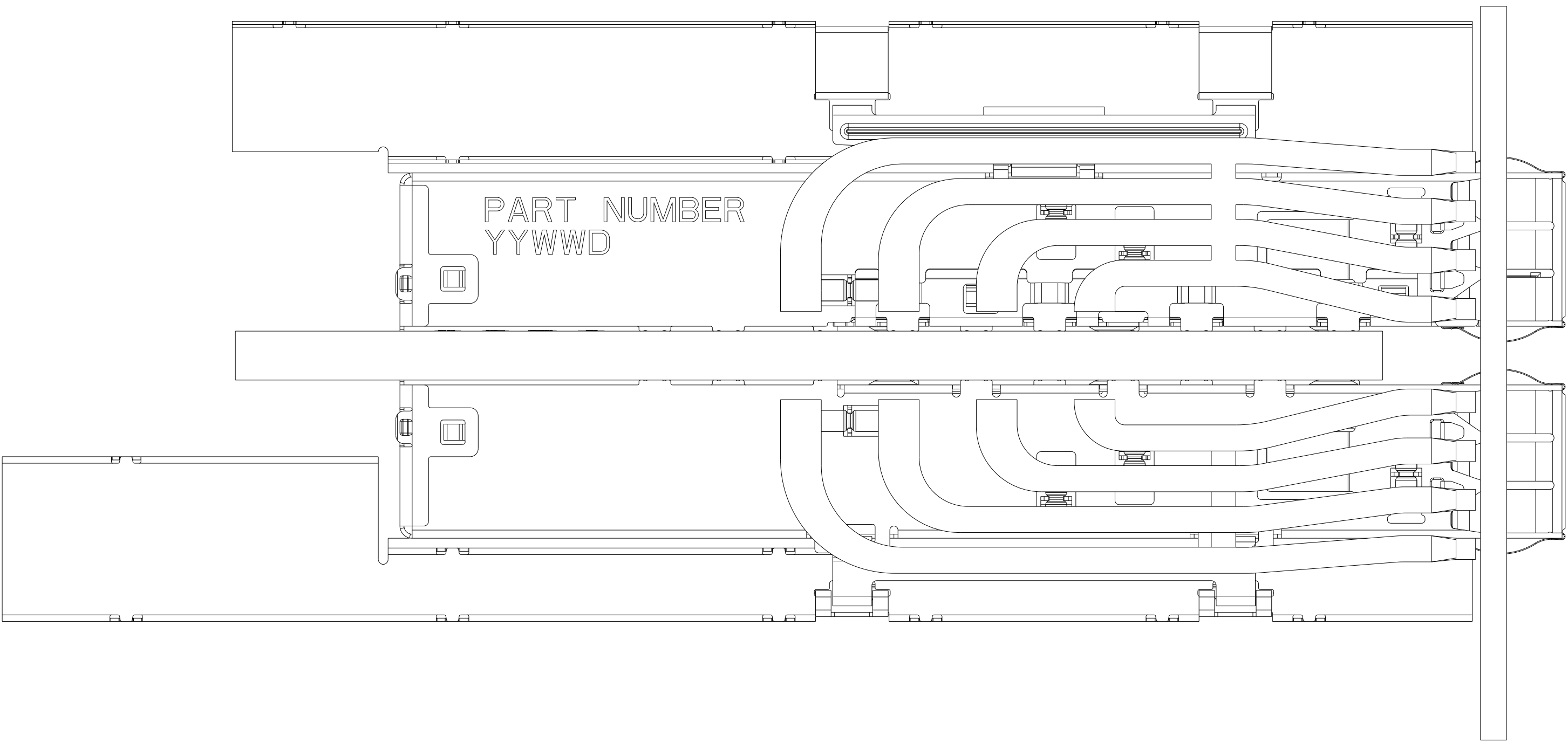
GENERAL CONFIGURATION APPLIED FOR 2324193-1/-2/-5/-6



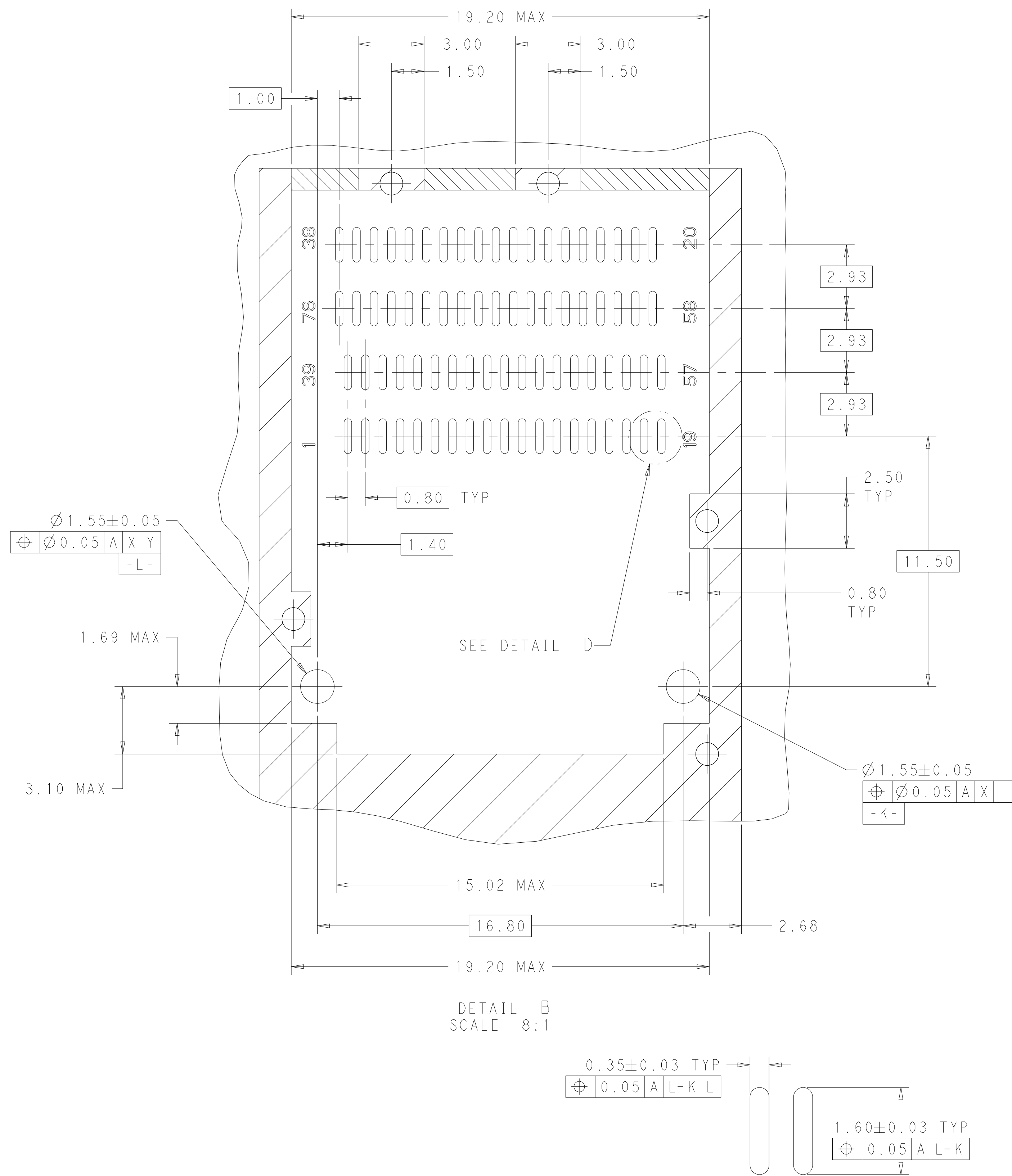
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	ARTHUR JIN	24AUG2017	 TE Connectivity				
				CHK	SEAN HAN	24AUG2017					
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	SEAN HAN	24AUG2017	NAME	CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER			
mm				PRODUCT SPEC		APPLICATION SPEC					
							SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
MATERIAL		FINISH		WEIGHT		A1	-	C=2324193		-	
CUSTOMER DRAWING							SCALE	2:1	SHEET	8 OF 12	
							REV A3				

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

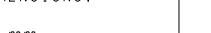
SPECIFIED BELLY TO BELLY CONFIGURATION APPLIED FOR 2324193-3/-7/-9/1-1/1-3 AND 2324193-4/-8/1-0/1-2
UNSPECIFIED DIMENSION IS THE SAME AS GENERAL CONFIGURATION IN SHEET8



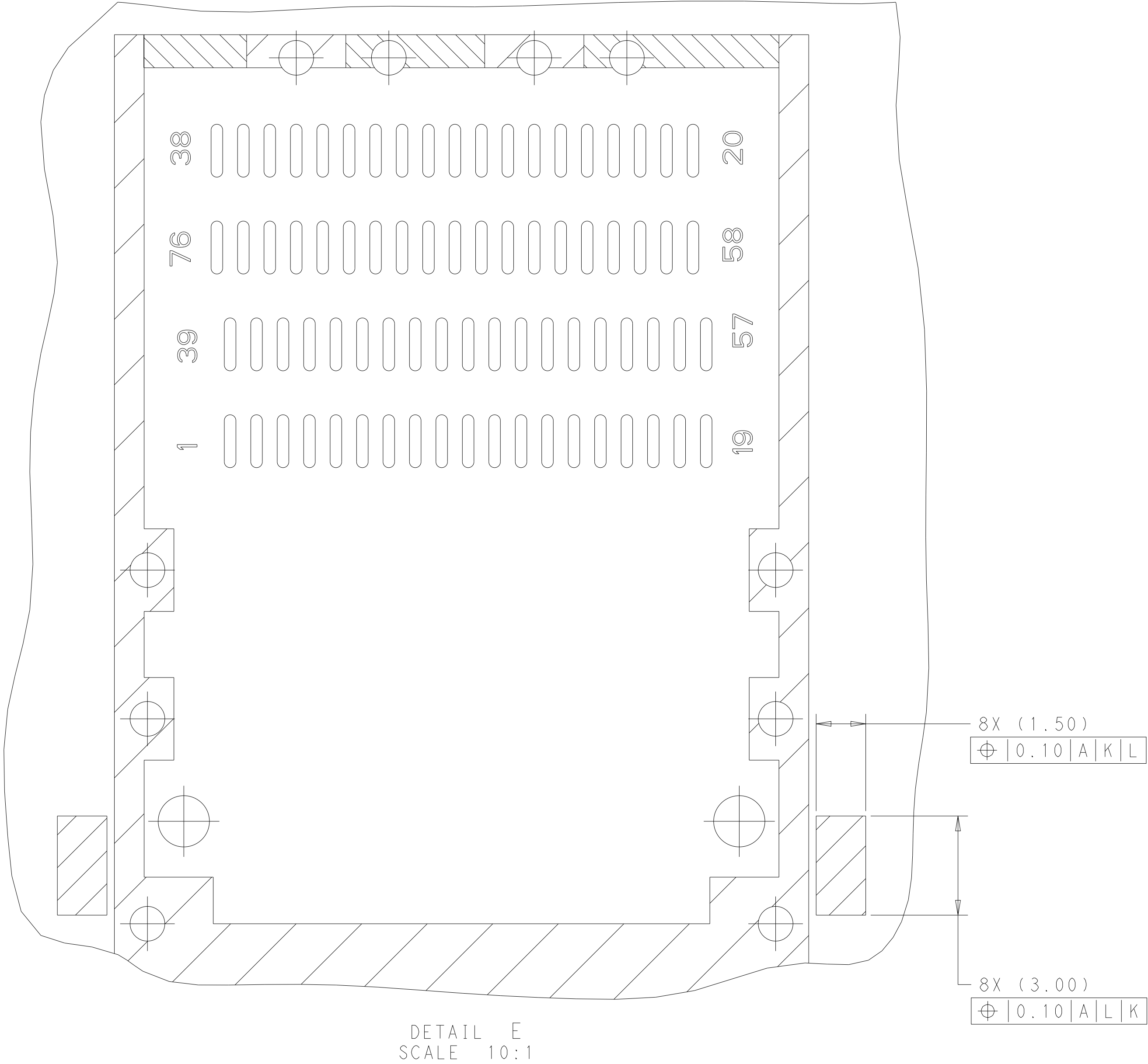
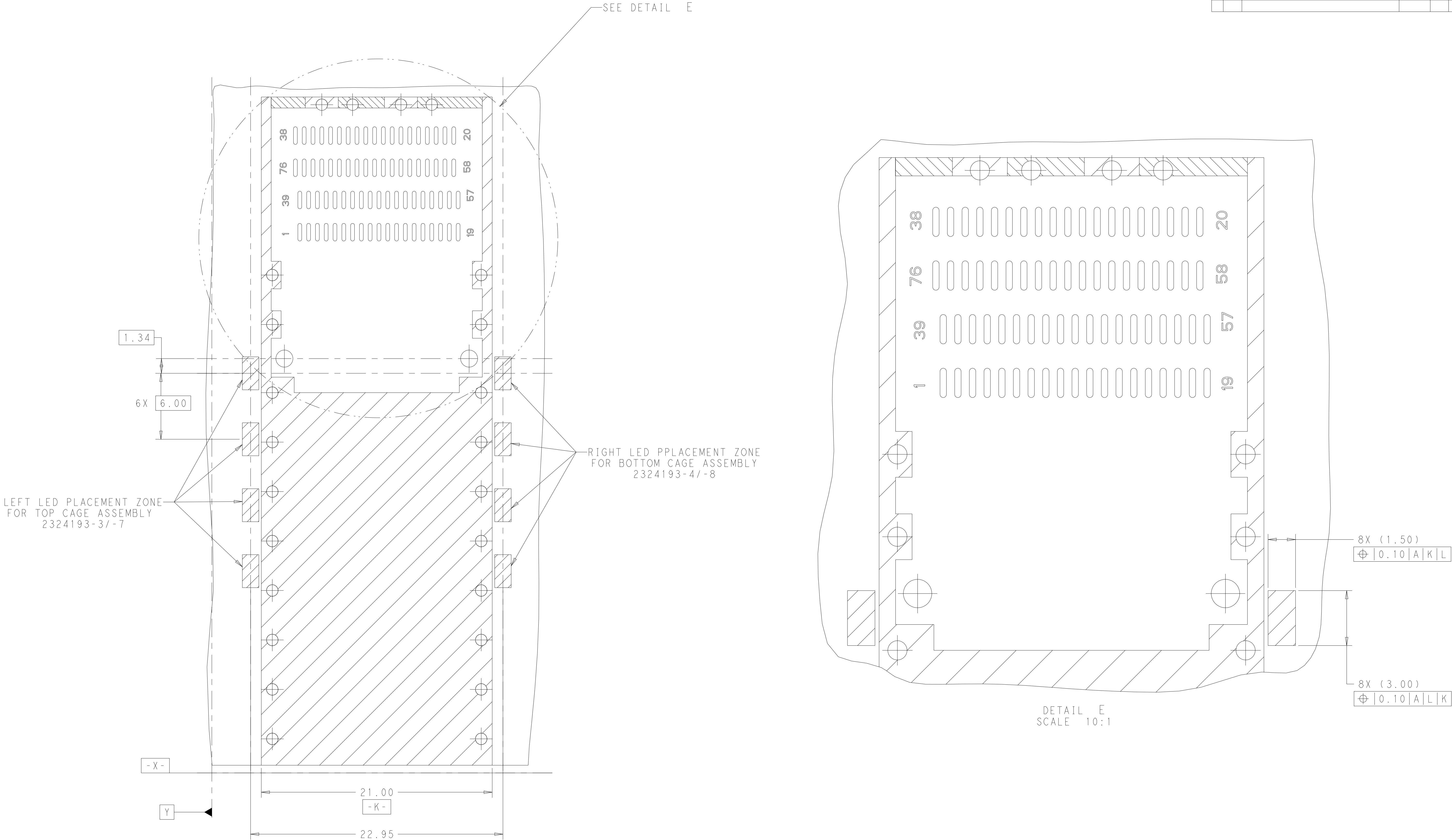
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	24AUG2017		 TE Connectivity	
		CHK	24AUG2017			
DIMENSIONS:		APVD	24AUG2017		NAME	
mm		PRODUCT SPEC				
		APPLICATION SPEC		CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER		
		SIZE				
		CAGE CODE				
		DRAWING NO				
		RESTRICTED TO				
MATERIAL		WEIGHT		A1 - C=2324193 -		
		CUSTOMER DRAWING		SCALE 2:1 SHEET 9 of 12 REV A3		



DETAIL D
SCALE 20:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24AUG2017 AUTH JRJ CHK 24AUG2017 SEAN HAN APVD 24AUG2017 SEAN HAN PRODUCT SPEC		 TE Connectivity	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.50 3 PLC ±0.10 4 PLC ± ANGLES ±		NAME CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER	
		APPLICATION SPEC		SIZE A1	
MATERIAL -		FINISH -		CAGE CODE -	
WEIGHT -		DRAWING NO C=2324193		RESTRICTED TO -	
CUSTOMER DRAWING				SCALE 2:1 SHEET 10 OF 12 REV A3	

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



SPECIFIED PCB LAYOUT FOR 2324193-3/-4/-7/-8/-9/1-0
BELLY TO BELLY TYPE OF 2 REAR HOLES OF LEGS
PCB TOLERANCE: ± 0.05
UNSPECIFIED DIMENSION SAME TO GENERAL PCB LAYOUT
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ARTHUR JIN 24AUG2017	 TE Connectivity			
DIMENSIONS:		CHK SEAN HAN 24AUG2017				
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CAGE ASSEMBLY, QSFP-DD STANDARD WITH EMI SPRING FINGER		
		0 PLC ± 0.25				
		1 PLC ± 0.25				
		2 PLC ± 0.20				
		3 PLC ± 0.10				
		4 PLC $\pm$				
		ANGLES $\pm$				
MATERIAL	FINISH	APPLICATION SPEC		SIZE CAGE CODE DRAWING NO	RESTRICTED TO	
-	-	WEIGHT -				
		A1 - C=2324193				
		CUSTOMER DRAWING		SCALE 2:1	SHEET 12 OF 12	REV A3