

8

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20

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LOC

DIST

GP

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REVISONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
A		PRODUCTION RELEASE	05JUN2019	JW	SH
B		REVISED PER ECO-19-014631	24SEP2019	JY	SH

CAGE ASSEMBLY

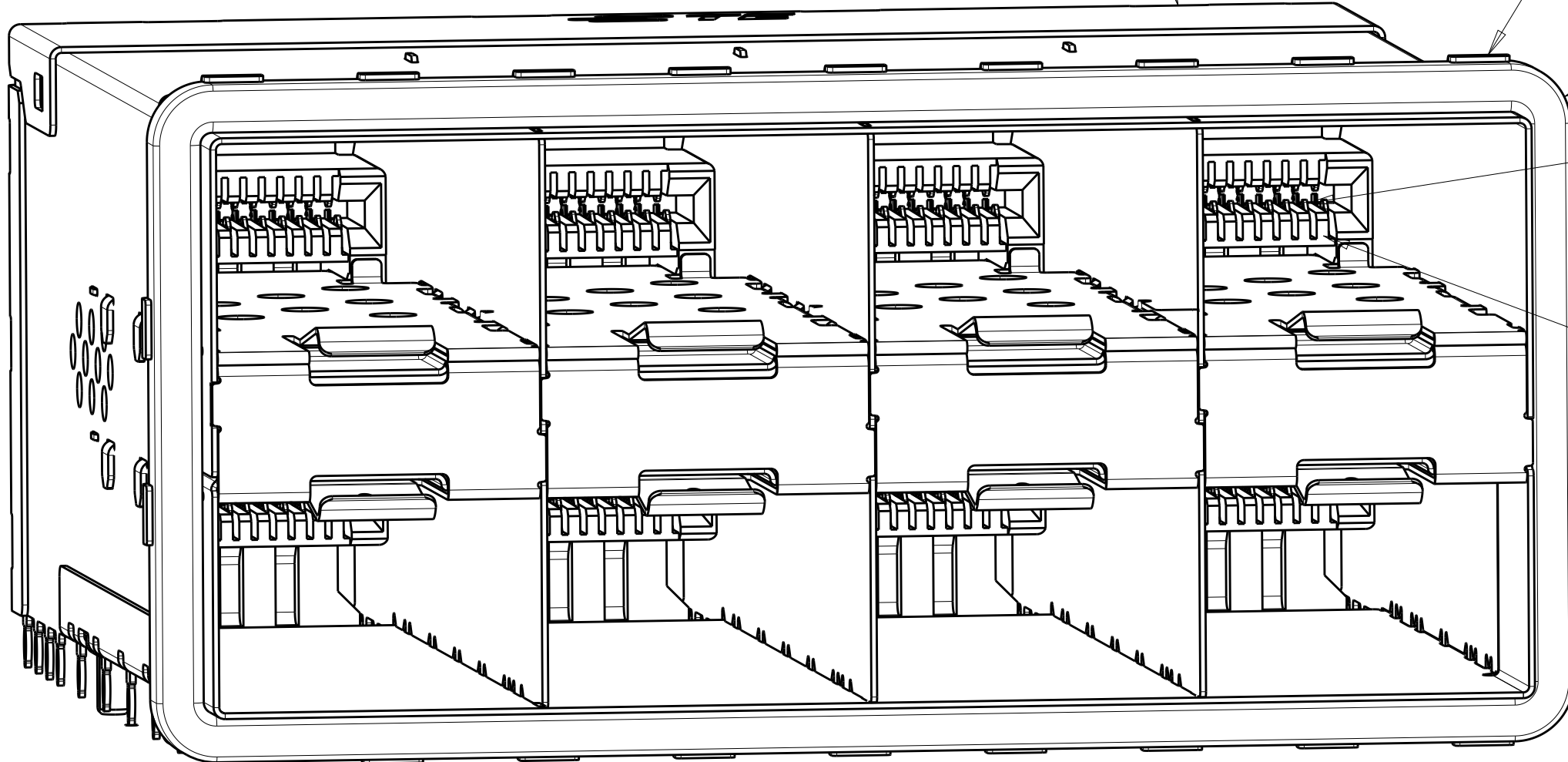
GASKET FLANGE

EMI GASKET

CONTACT CHICKLET

CHICKLET ALIGNMENT CLIP

RECEPTACLE HOUSING



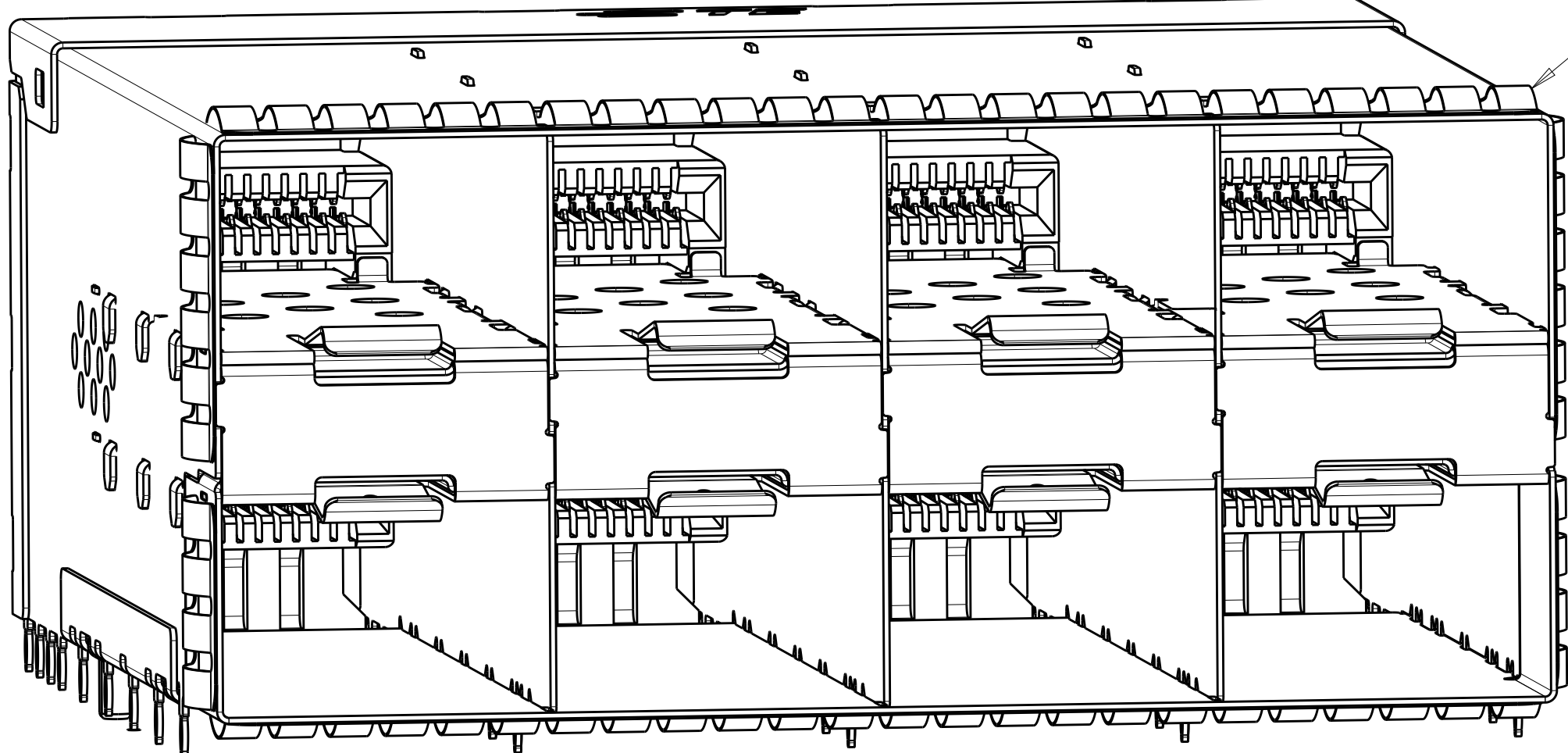
2339978-1

SCALE 4:1

EMI SPRINGS

LIGHT PIPE

LIGHT PIPE PLATE



2339978-5

SCALE 4:1

INNER/OUTER LIGHT PIPES

2339978-2, 2339978-6

SCALE 4:1

INNER LIGHT PIPES

2339978-3, 2339978-7

SCALE 4:1

OUTER LIGHT PIPES

2339978-4, 2339978-8

SCALE 4:1

CENTER/REVERSED OUTER

1-2339978-7, 1-2339978-9

SCALE 4:1

REVERSED OUTER LIGHT PIPES

1-2339978-8, 2-2339978-0

SCALE 4:1

1. MATERIALS:
CAGE ASSEMBLY - NICKEL-SILVER ALLOY PER ASTM B 122
CONNECTOR HOUSING - LCP, BLACK, UL 94V-O RATED
CHICKLET - LCP, BLACK, UL 94V-O RATED
CHICKLET ALIGNMENT CLIP - LCP, BLACK, UL 94V-O RATED
CONTACT - COPPER ALLOY
EMI GASKET - ELASTOMERIC
GASKET FLANGE - STAINLESS STEEL
EMI SPRINGS - PHOSPHOR BRONZE PER ASTM B 103,
0.8µm MIN TIN PER ASTM B 545
LIGHT PIPE - POLYCARBONATE
INSULATOR TAPE:KAPTON
LIGHT PIPE PLATE- STAINLESS STEEL

2. CONTACT FINISH:
CONFORMS TO THE REQUIREMENTS OF PRODUCT SPECIFICATION 108-2481,
BASED ON EIA/ECA-364-1000.01A, (CONTROLLED ENVIRONMENT
APPLICATIONS) ON MATING INTERFACE, TIN ON NEEDLE EYE

3. PCB MINIMUM THICKNESS = 1.5mm

△ 4 FOR HOLE SIZE AND PLATINGS,
SEE APPLICATION SPECIFICATION 114-13319

△ 5 LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW PROFILE
LED PACKAGE WITH A HEIGHT OF 0.8mm

△ 6 DIMENSIONS APPLY FOR EMI SPRINGS ONLY

△ THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE
DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS
AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED
WITHIN CONNECTOR HOLE PATTERN

59.5	EMI SPRING INSULATOR TAPE AIRFLOW ENHANCE TYPE	NONE	3-2339978-4
59.5	EMI SPRING AIRFLOW ENHANCE TYPE	OUTER	3-2339978-3
59.5	EMI SPRING AIRFLOW ENHANCE TYPE	CENTER/REVERSED OUTER	3-2339978-2
59.5	EMI SPRING AIRFLOW ENHANCE TYPE	NONE	3-2339978-1
62.25	EMI GASKET AIRFLOW ENHANCE TYPE	NONE	3-2339978-0
59.5	EMI SPRINGS	REVERSED OUTER	2-2339978-0
		CENTER/REVERSED OUTER	1-2339978-9
62.25	EMI GASKET	REVERSED OUTER	1-2339978-8
		CENTER/REVERSED OUTER	1-2339978-7
59.5	EMI SPRINGS	OUTER	2339978-8
		INNER	2339978-7
		INNER/OUTER	2339978-6
		NONE	2339978-5
62.25	EMI GASKET	OUTER	2339978-4
		INNER	2339978-3
		INNER/OUTER	2339978-2
		NONE	2339978-1
(E)	CAGE TYPE	LIGHT PIPE CONFIGURATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN

J. WANG

17JUL2018

CHK

S. HAN

17JUL2018

APVD

S. HAN

17JUL2018

DIMENSIONS:

mm

0 PLC

±0.25

1 PLC

±0.25

2 PLC

±0.25

3 PLC

±0.25

4 PLC

±0.25

ANGLES

±4°

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

FINISH

SEE NOTES

MATERIAL

SEE NOTES

PRODUCT SPEC

108-2481

APPLICATION SPEC

114-13319

WEIGHT

-

CUSTOMER DRAWING

NAME

RECEPTACLE ASSEMBLY, 2X4,
STACKED, SFP56

SIZE

CAGE CODE

DRAWING NO

A100779

SCALE

4:1

SHEET

1

OF

7

REV

B

TE Connectivity

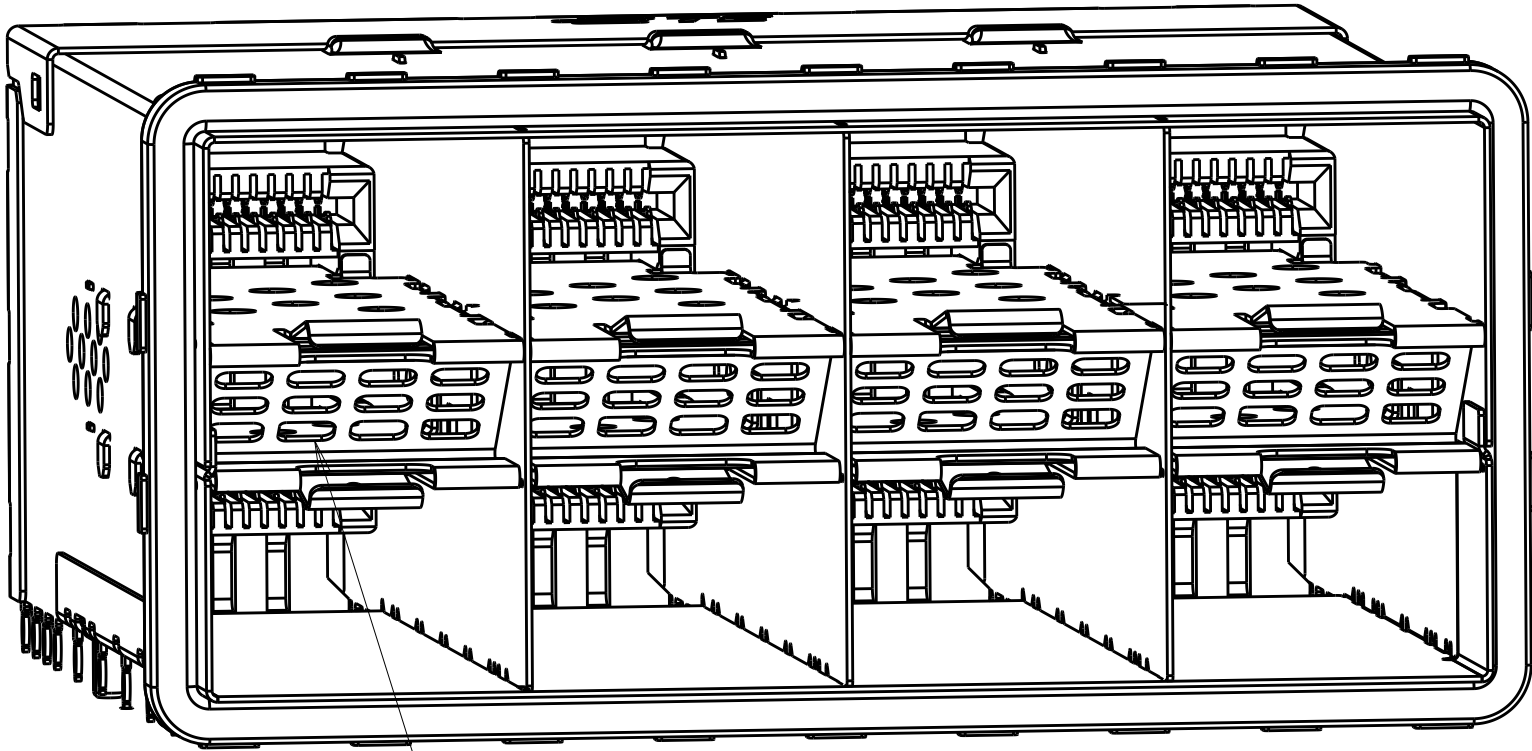
RESTRICTED TO

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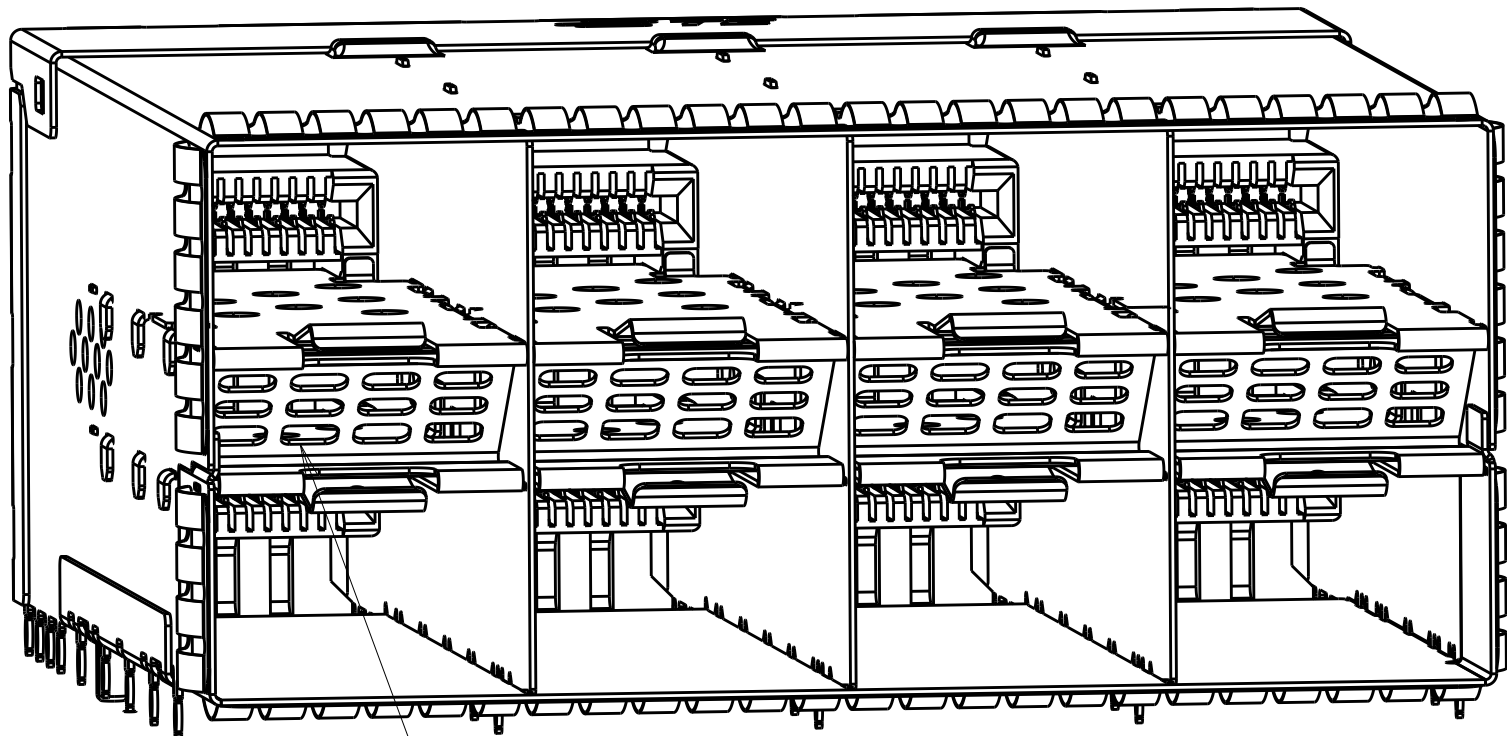
4805 (3/11)

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

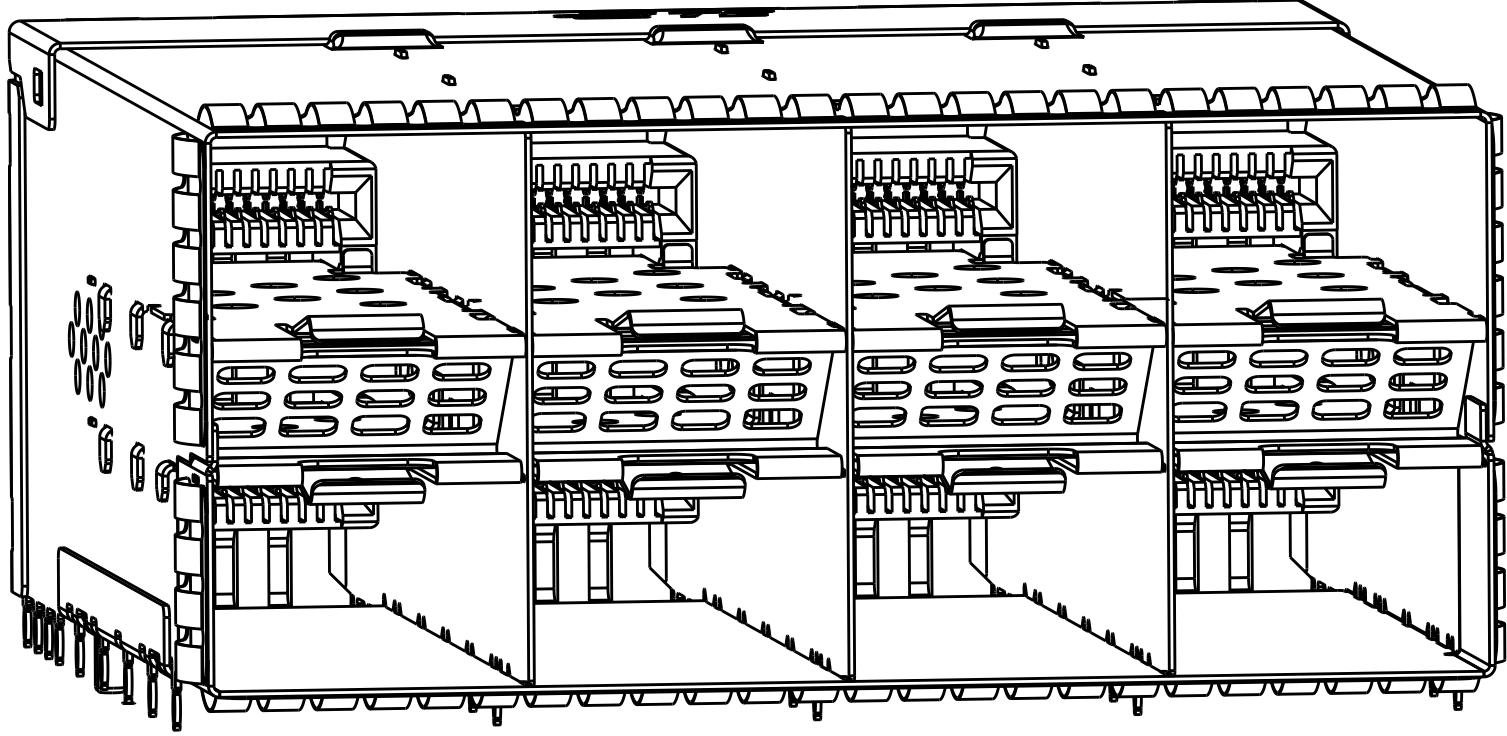
AIRFLOW ENHANCE W/O LP TYPE



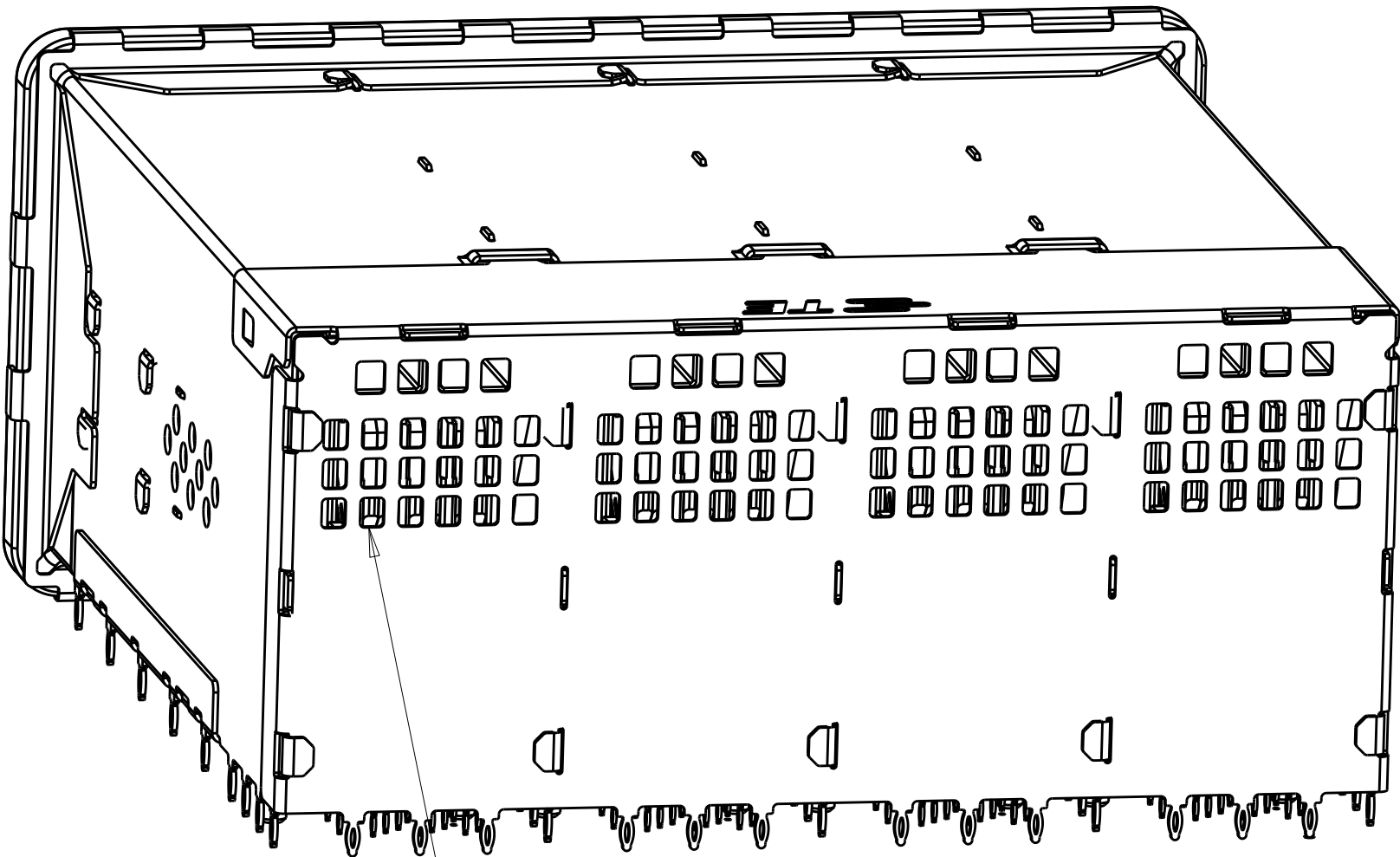
AIR VENTS



AIR VENTS

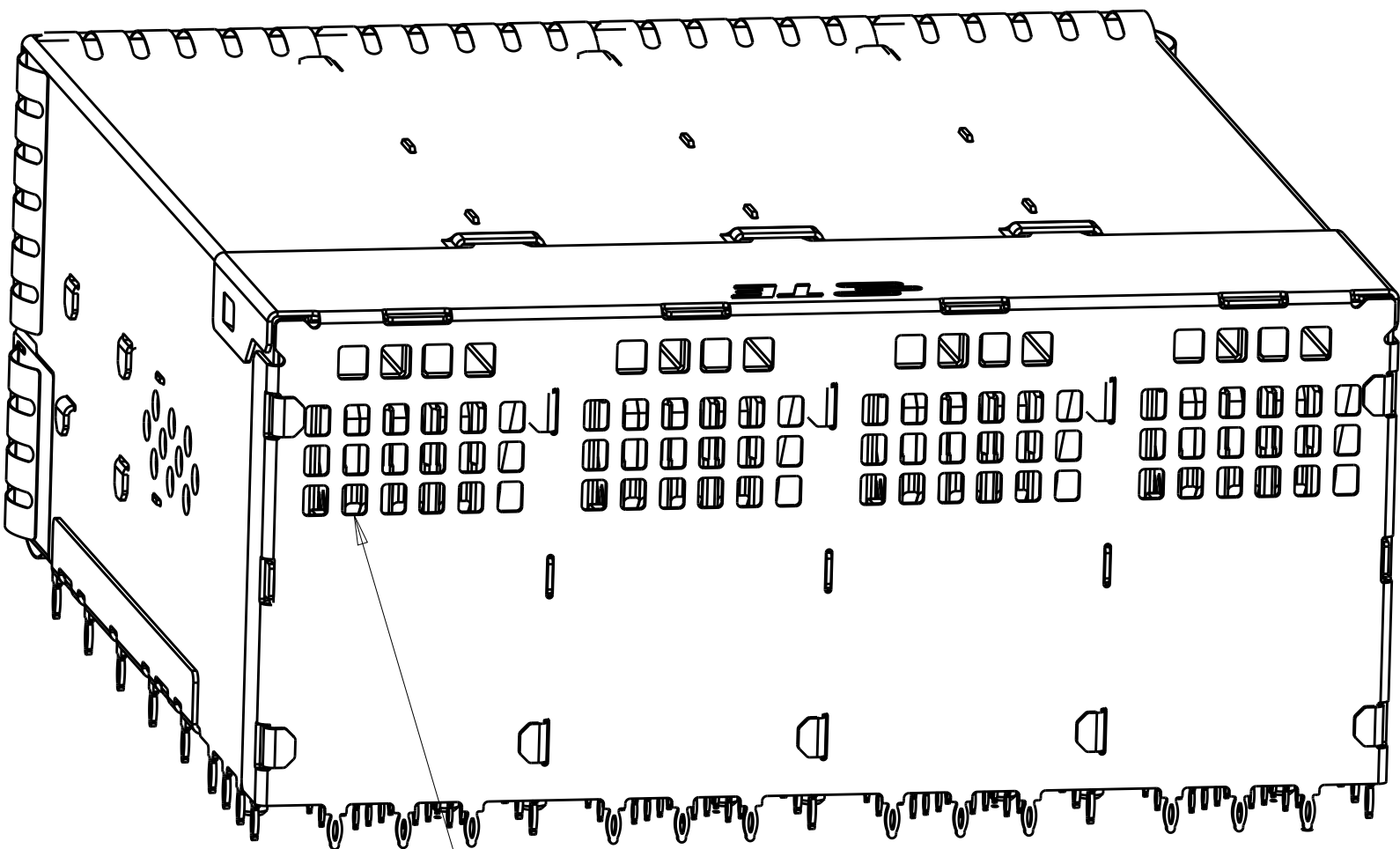


INSULATOR TAPE



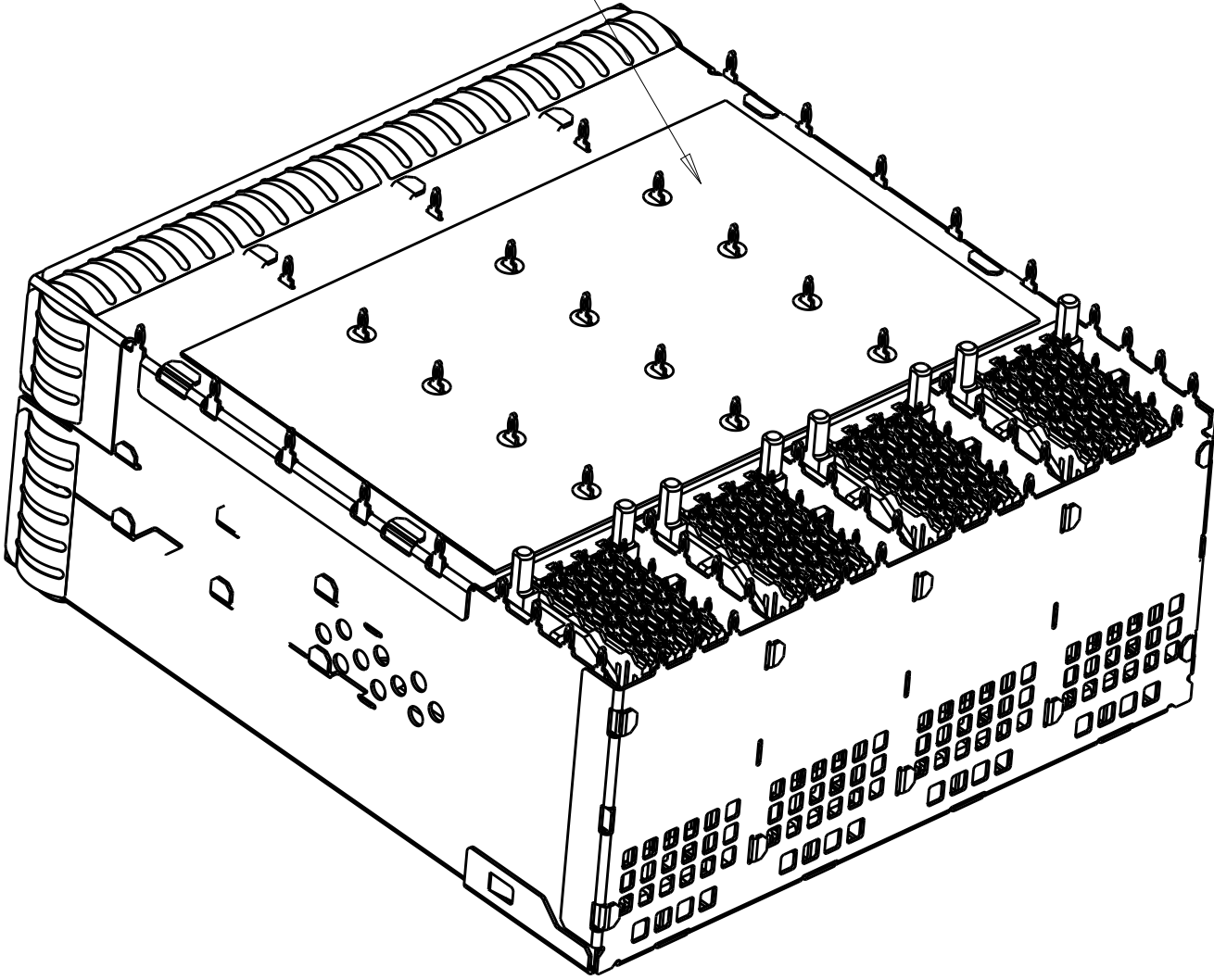
AIR VENTS

3-2339978-0
EMI GASKET TYPE



AIR VENTS

3-2339978-1
EMI SPRING TYPE

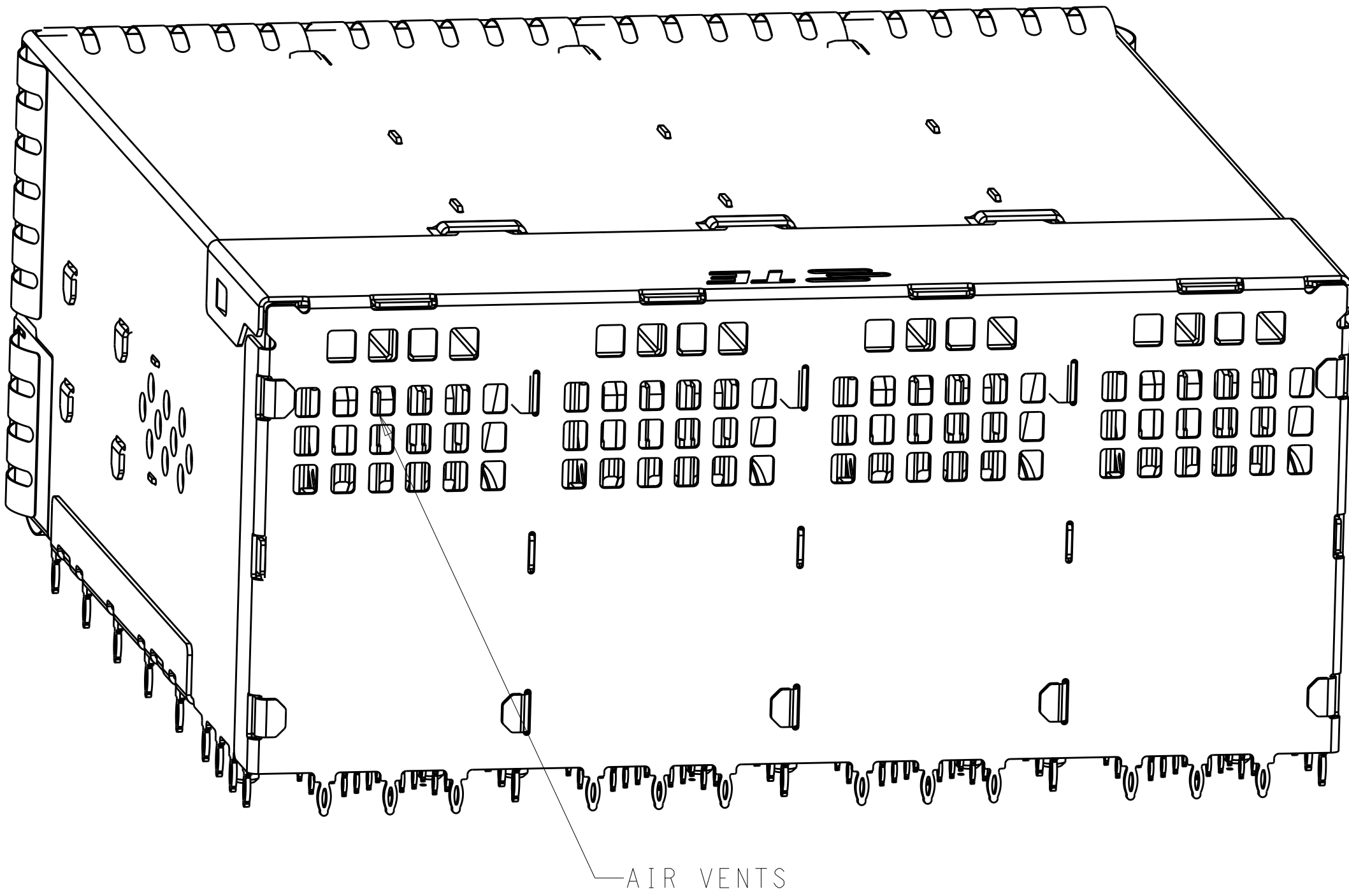
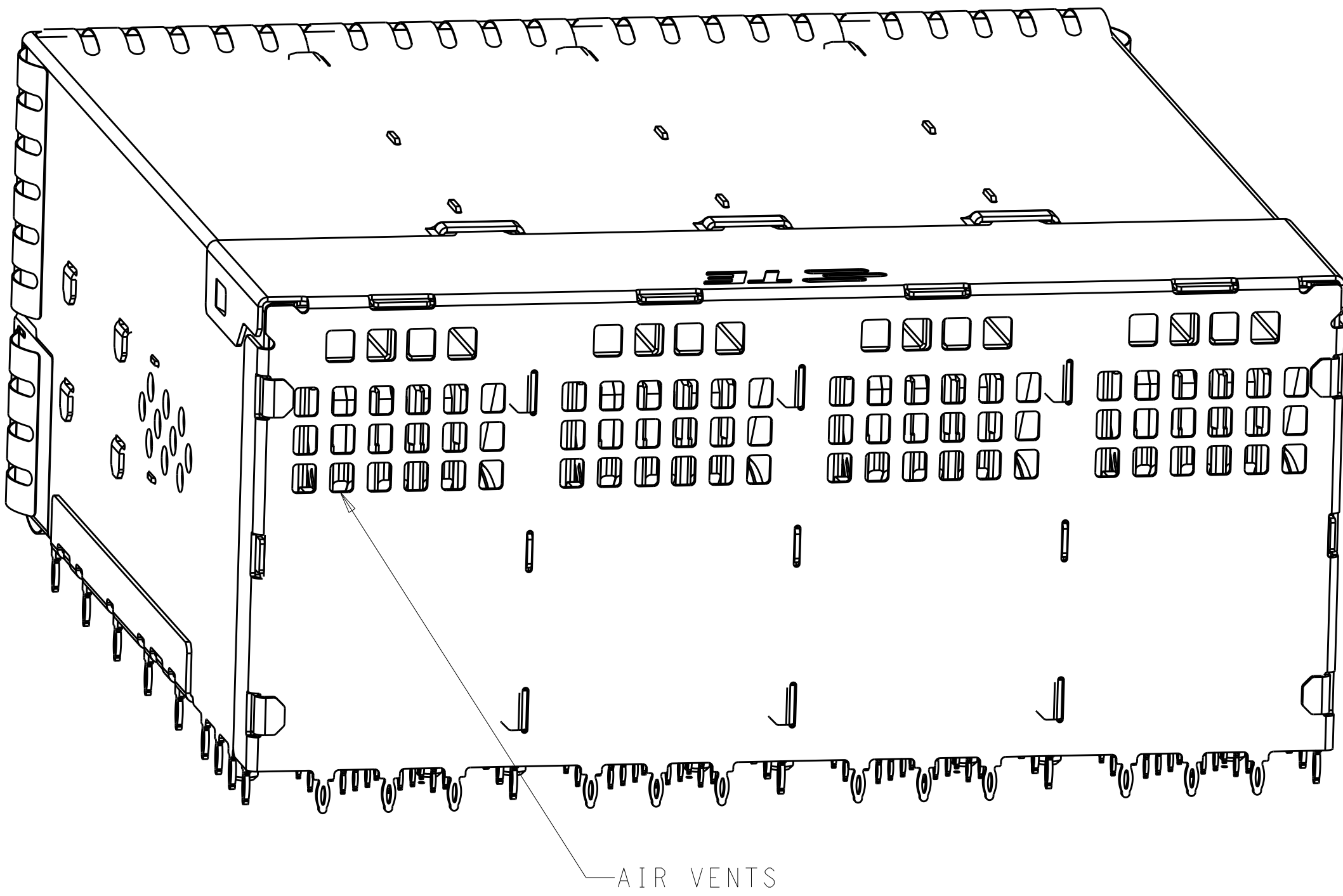
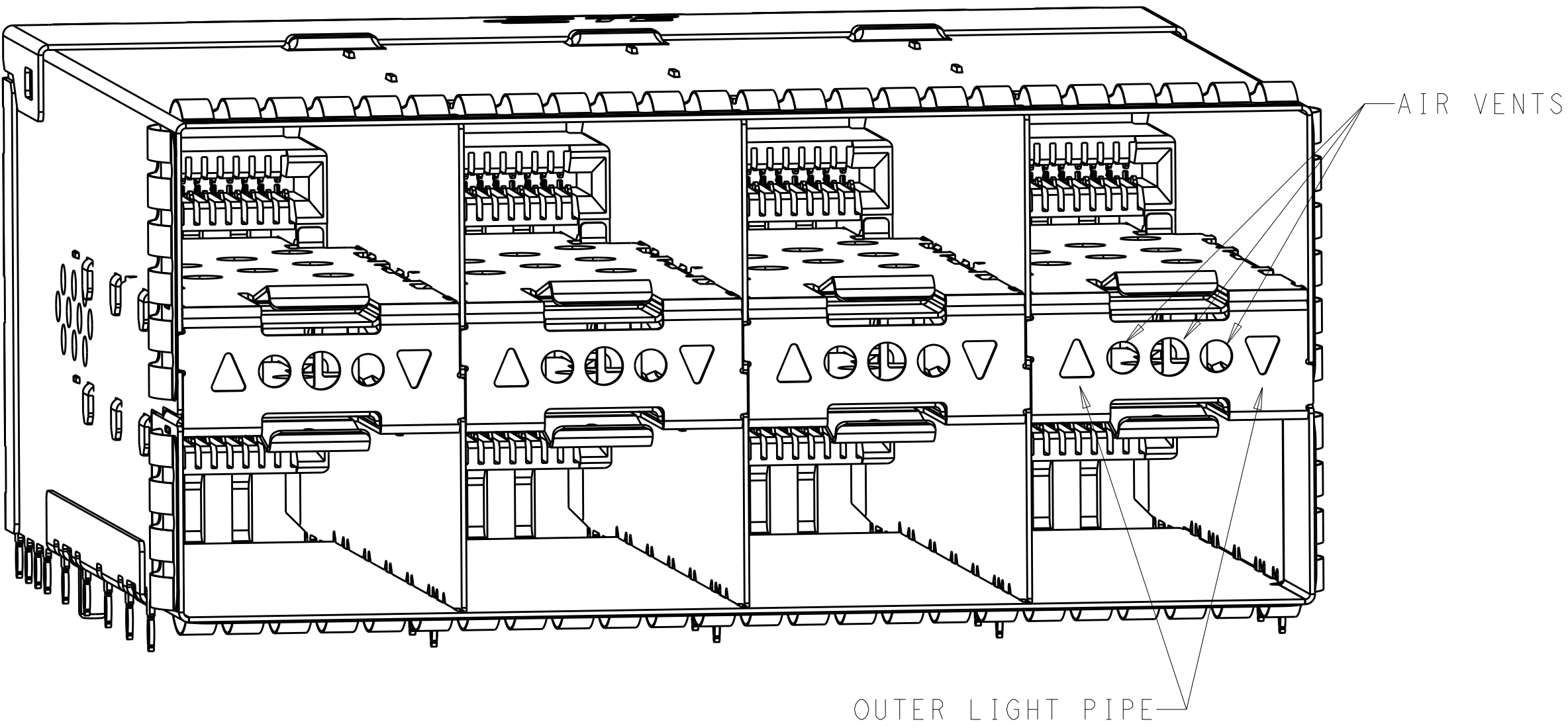
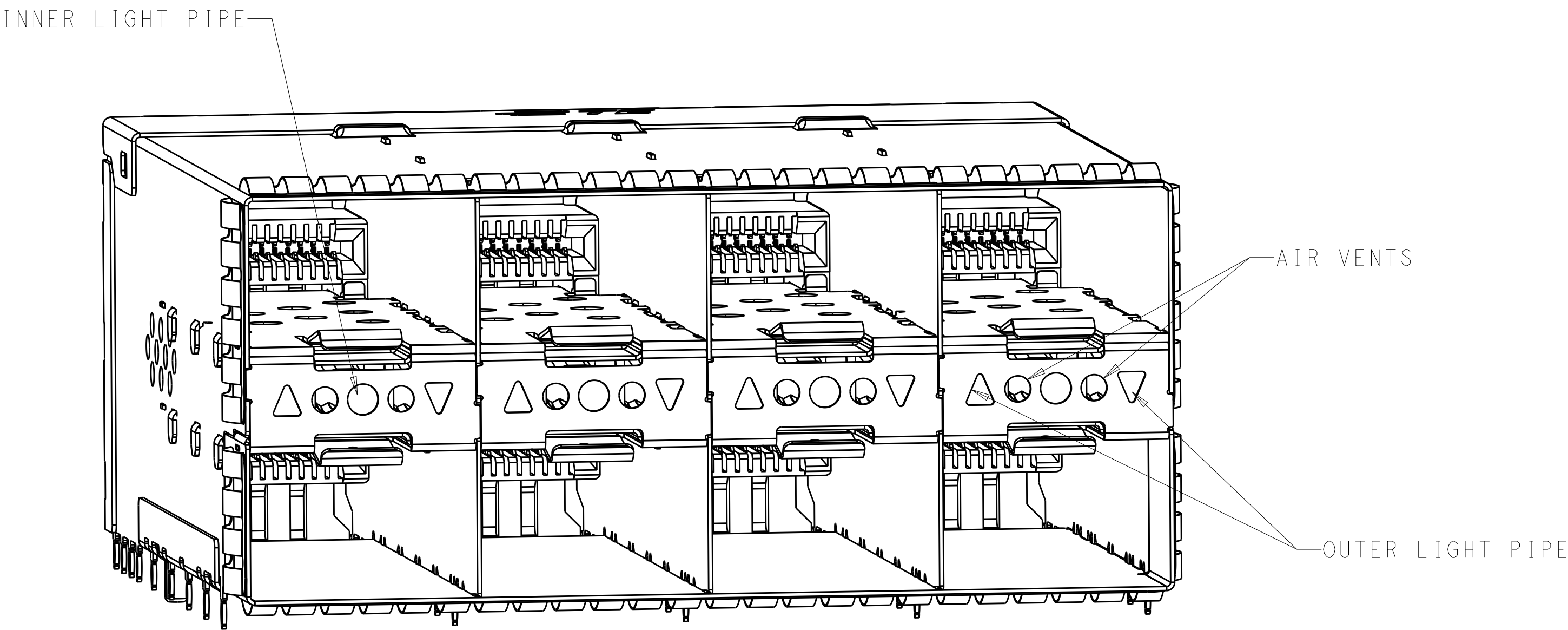


3-2339978-4
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	J. WANG	17JUL2018	 TE Connectivity			
				CHK	S. HAN	17JUL2018				
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	S. HAN	17JUL2018	NAME	RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56		
				PRODUCT SPEC						
		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° FINISH		APPLICATION SPEC			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
				114-13319						
MATERIAL SEE NOTES		WEIGHT -		CUSTOMER DRAWING			A1	00779	C=2339978	-
							SCALE	4:1	SHEET	2 OF 7
							REV B			

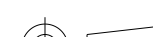
LOC		DIST		REVISIONS						
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD	
				-	-	SEE SHEET 1	-	-	-	

AIRFLOW ENHANCE W/ LP TYPE

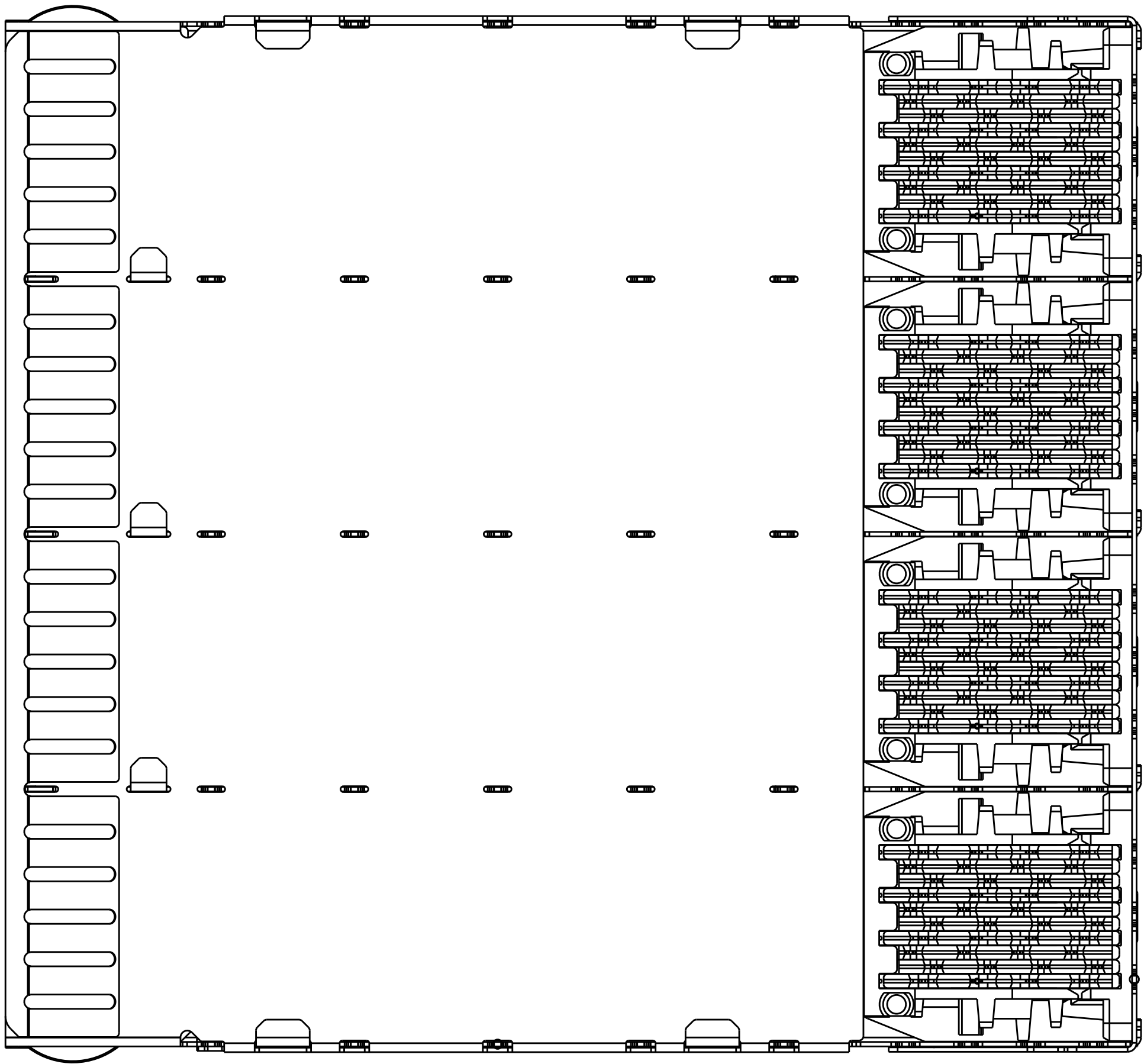
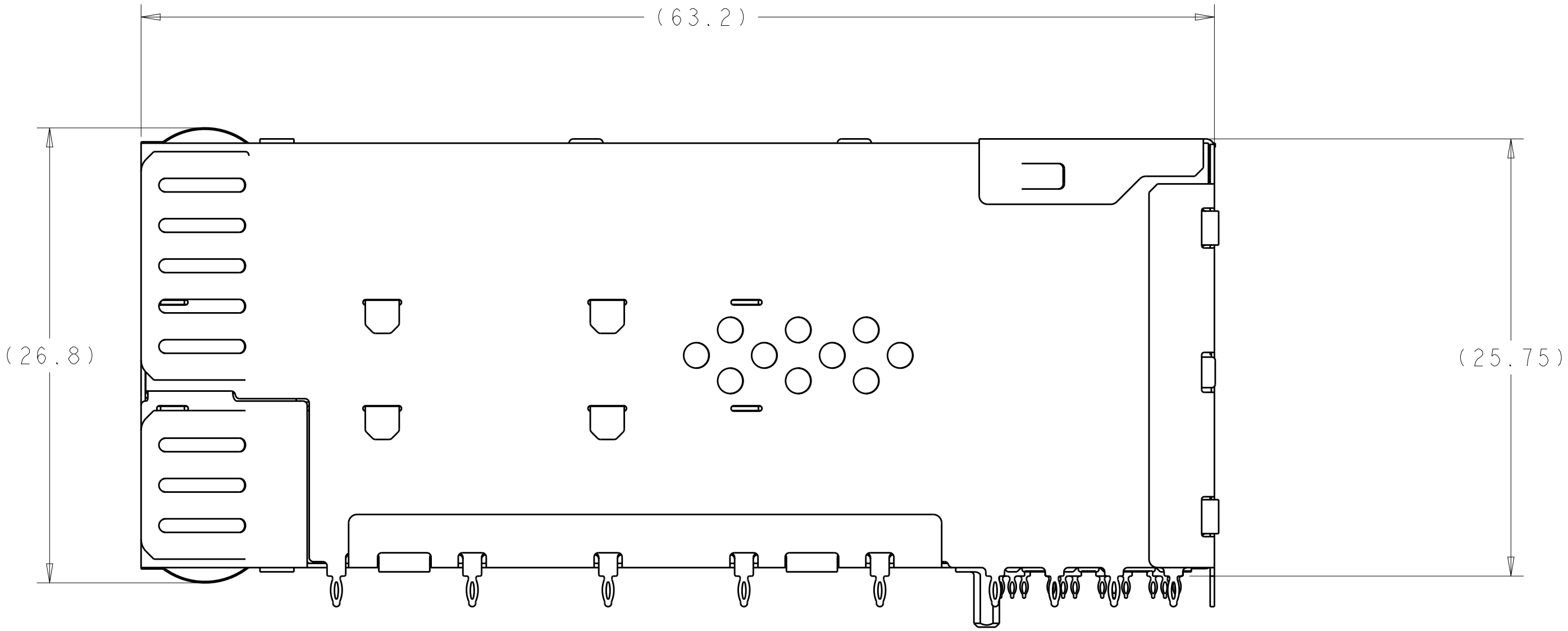
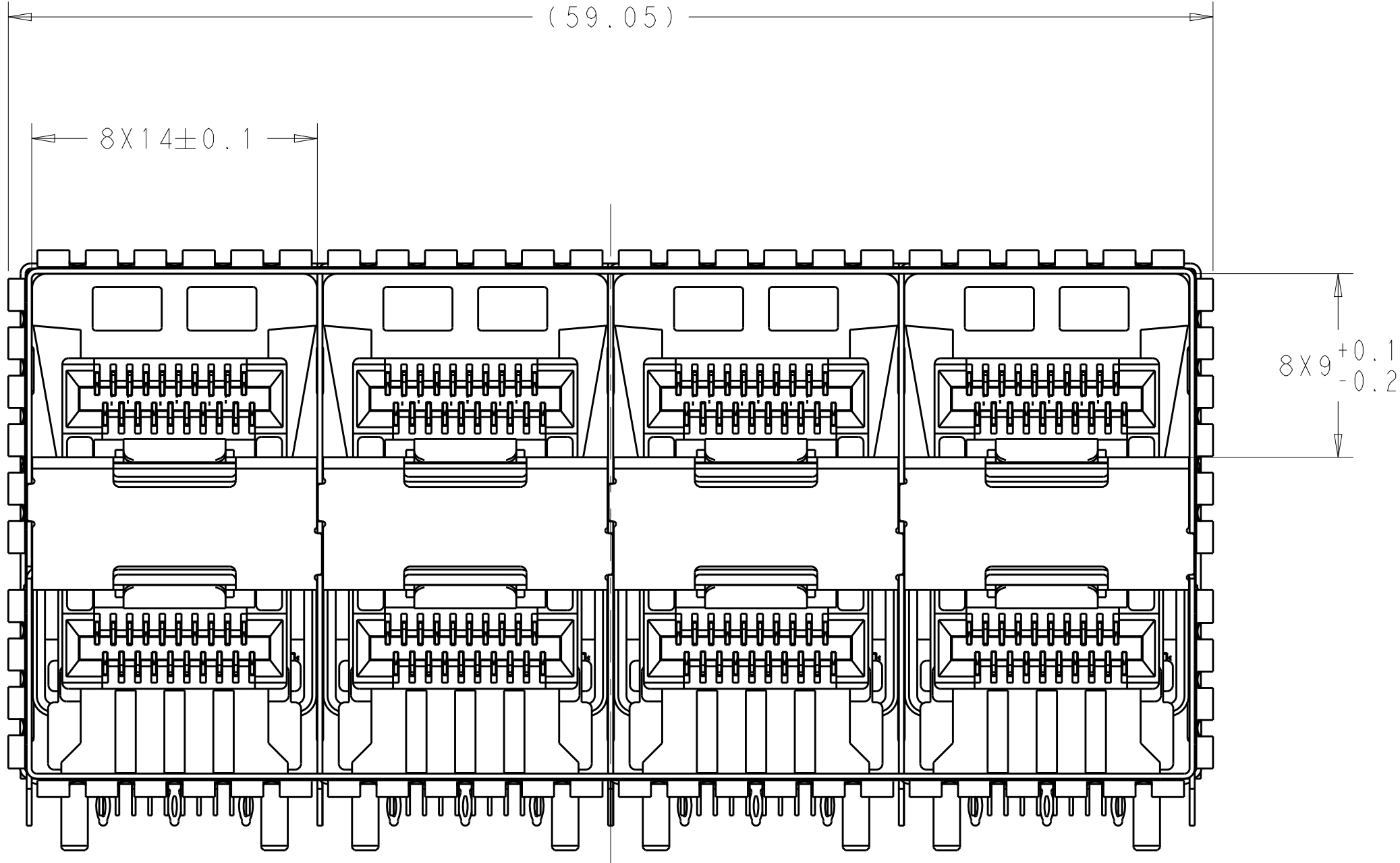


3-2339978-2
EMI SPRING W/ LP TYPE

3-2339978-3
EMI SPRING W/ OUTER LP TYPE

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				CHK	S. HAN	17JUL2018				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	S. HAN	17JUL2018	NAME	RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56		
mm				PRODUCT SPEC			-			
		0 PLC ±0.25		108-2481			SIZE			
		1 PLC ±0.25		APPLICATION SPEC			CAGE CODE			
		2 PLC ±0.25		114-13319			DRAWING NO			
		3 PLC ±0.25					RESTRICTED TO			
4 PLC ±0.25		4. ANGLES ±0°					A1			
MATERIAL		FINISH		WEIGHT			00779			
SEE NOTES		SEE NOTES					C=2339978			
CUSTOMER DRAWING				SCALE			4:1			
				SHEET			3 OF 7			
				REV			B			

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



EMI SPRINGS VERSIONS ONLY
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

MATERIAL

SEE NOTES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.25

1 PLC ±0.25

2 PLC ±0.25

3 PLC ±0.25

4 PLC ±

ANGLES ±4°

FINISH

SEE NOTES

DWN J. WANG 17JUL2018

CHK S. HAN 17JUL2018

APVD S. HAN 17JUL2018

PRODUCT SPEC

108-2481

APPLICATION SPEC

114-13319

WEIGHT

CUSTOMER DRAWING

NAME

RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56

SIZE

A100779

CAGE CODE

C=2339978

DRAWING NO

2339978

RESTRICTED TO

-

SCALE

4:1

SHEET

4

OF

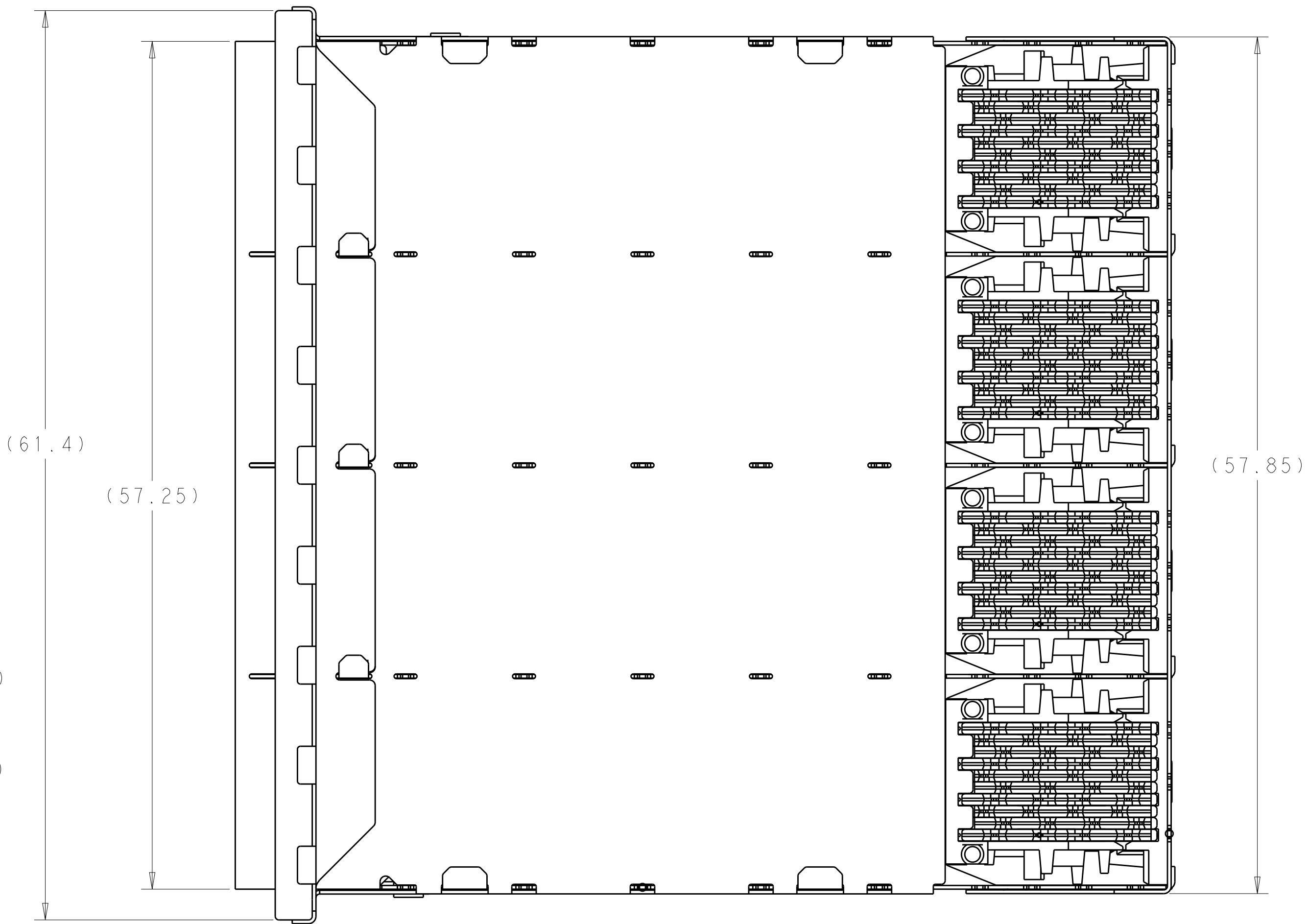
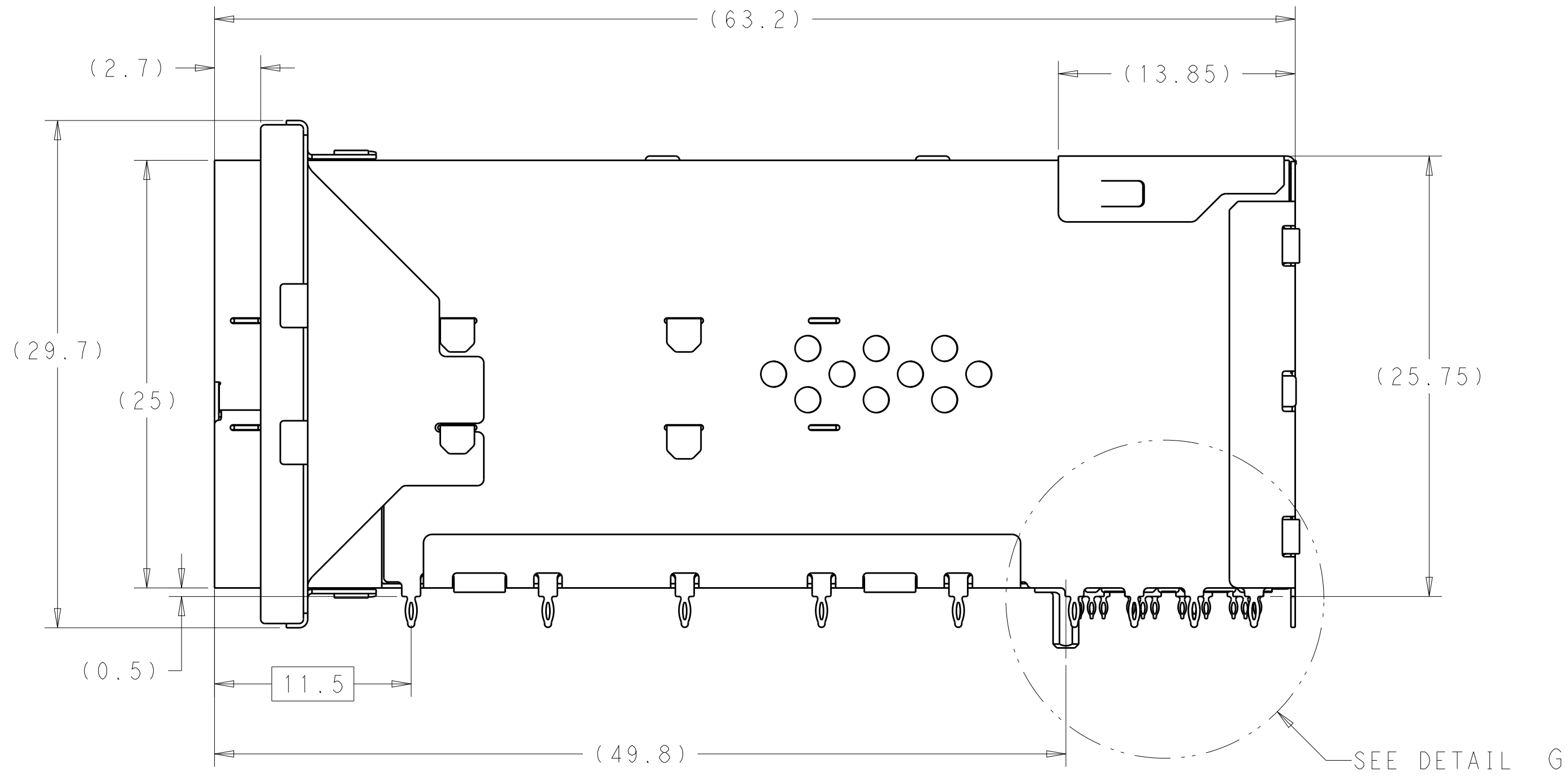
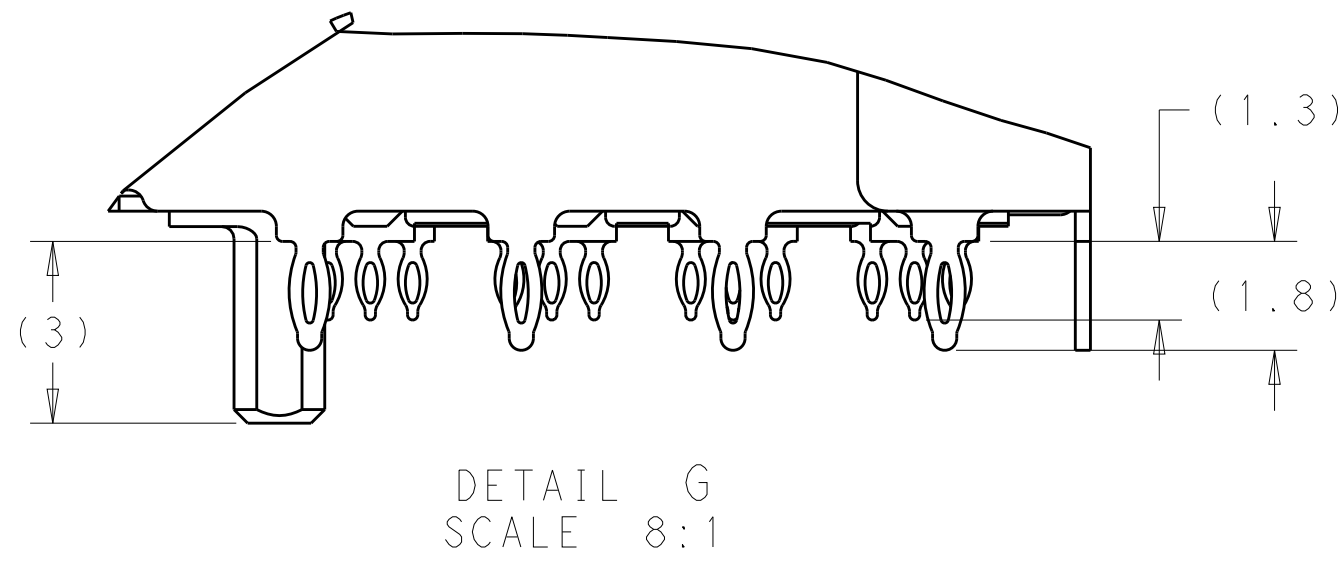
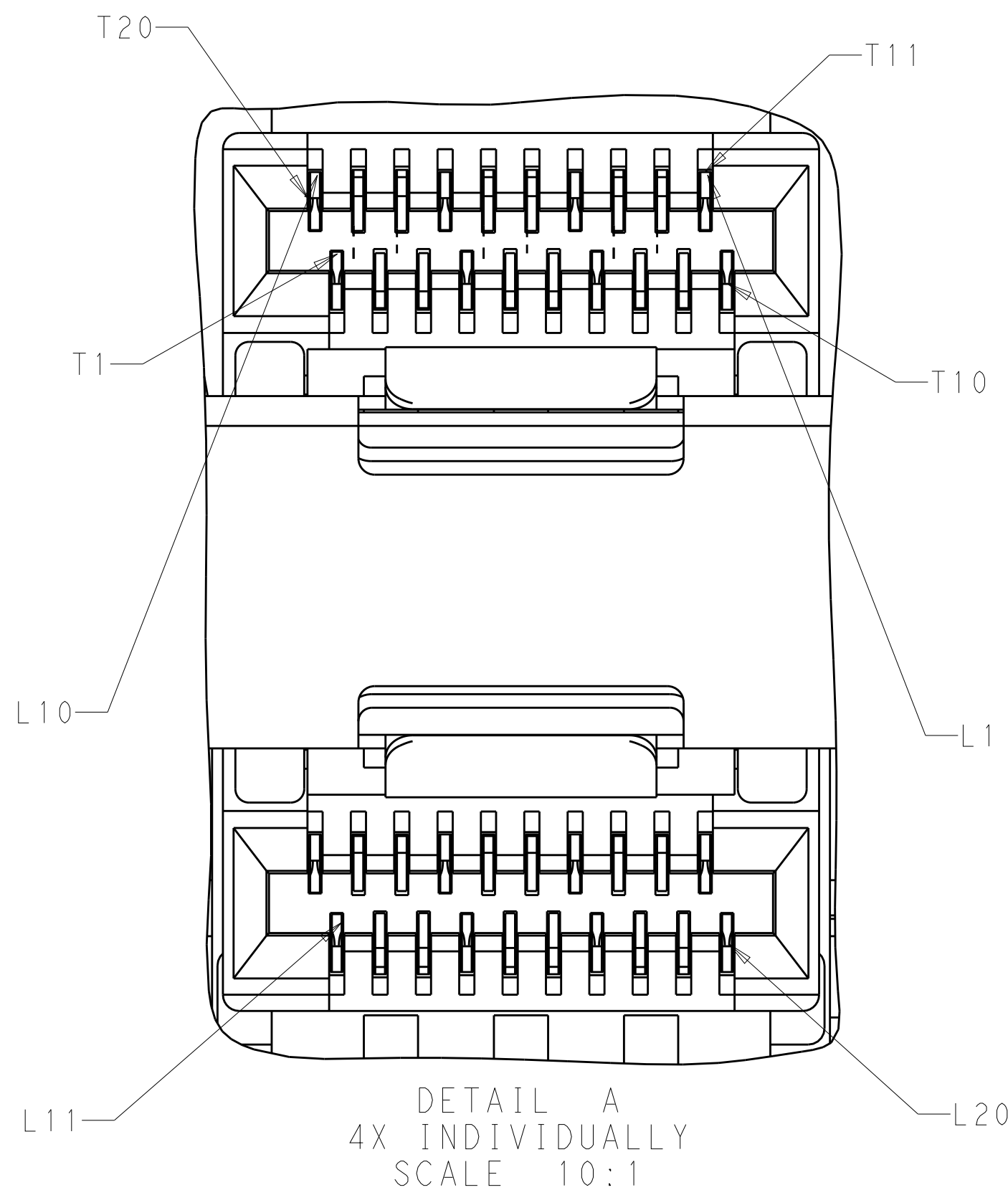
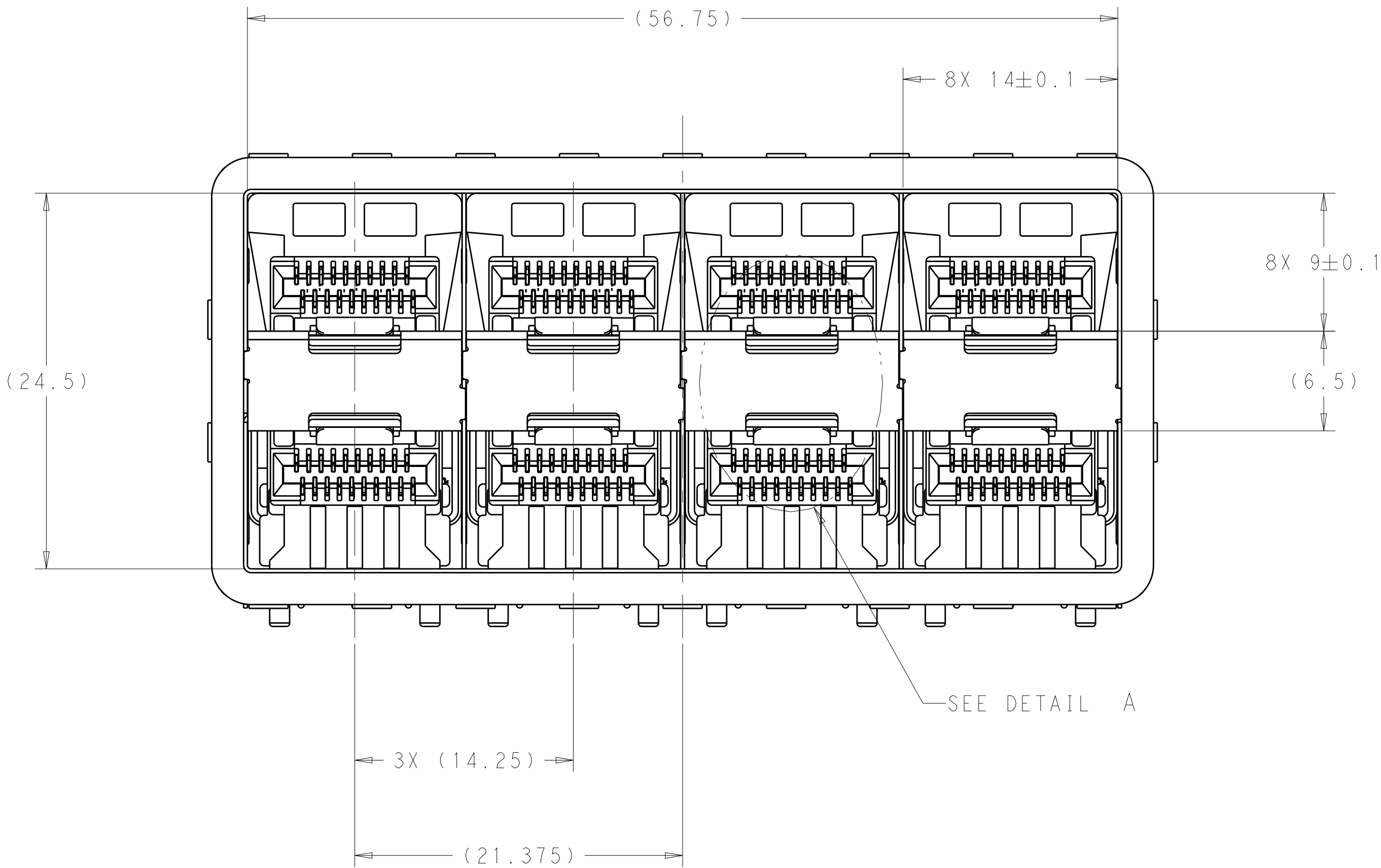
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REV

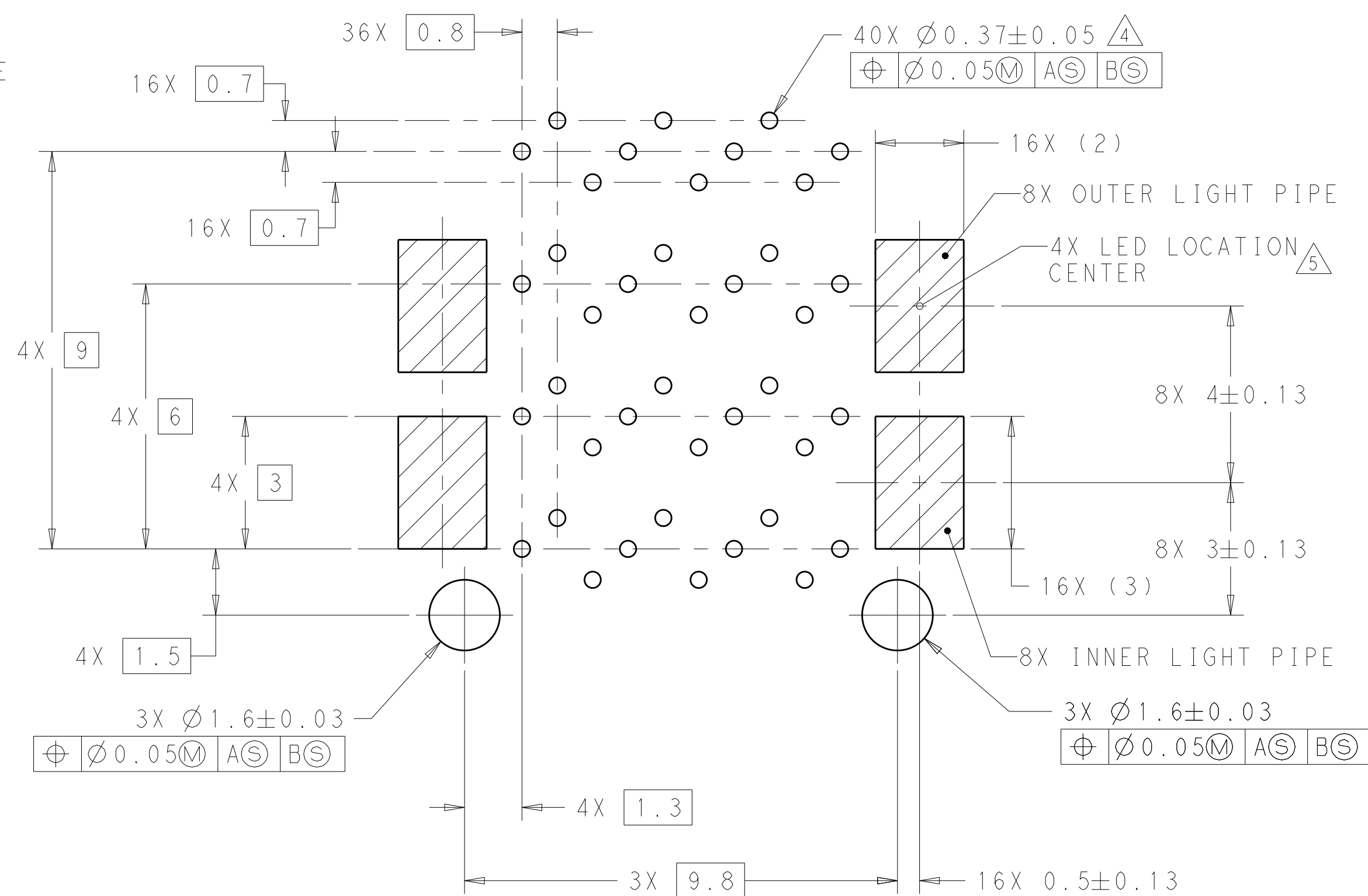
B

TE Connectivity

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN	J. WANG	17JUL2018	TE Connectivity		
		CHK	S. HAN	17JUL2018			
		APVD	S. HAN	17JUL2018	NAME		
					RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56		
					SIZE		
					A100779C=2339978		
					SCALE		
					4:1		
					SHEET		
					5 OF 7		
					REV		
					B		



RECOMMENDED PCB LAYOUT
SCALE 5:1

4805 (3/11)

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

T19○ T16○ T13○
T20○ T17○ T14○ T11○
T18○ T15○ T12○

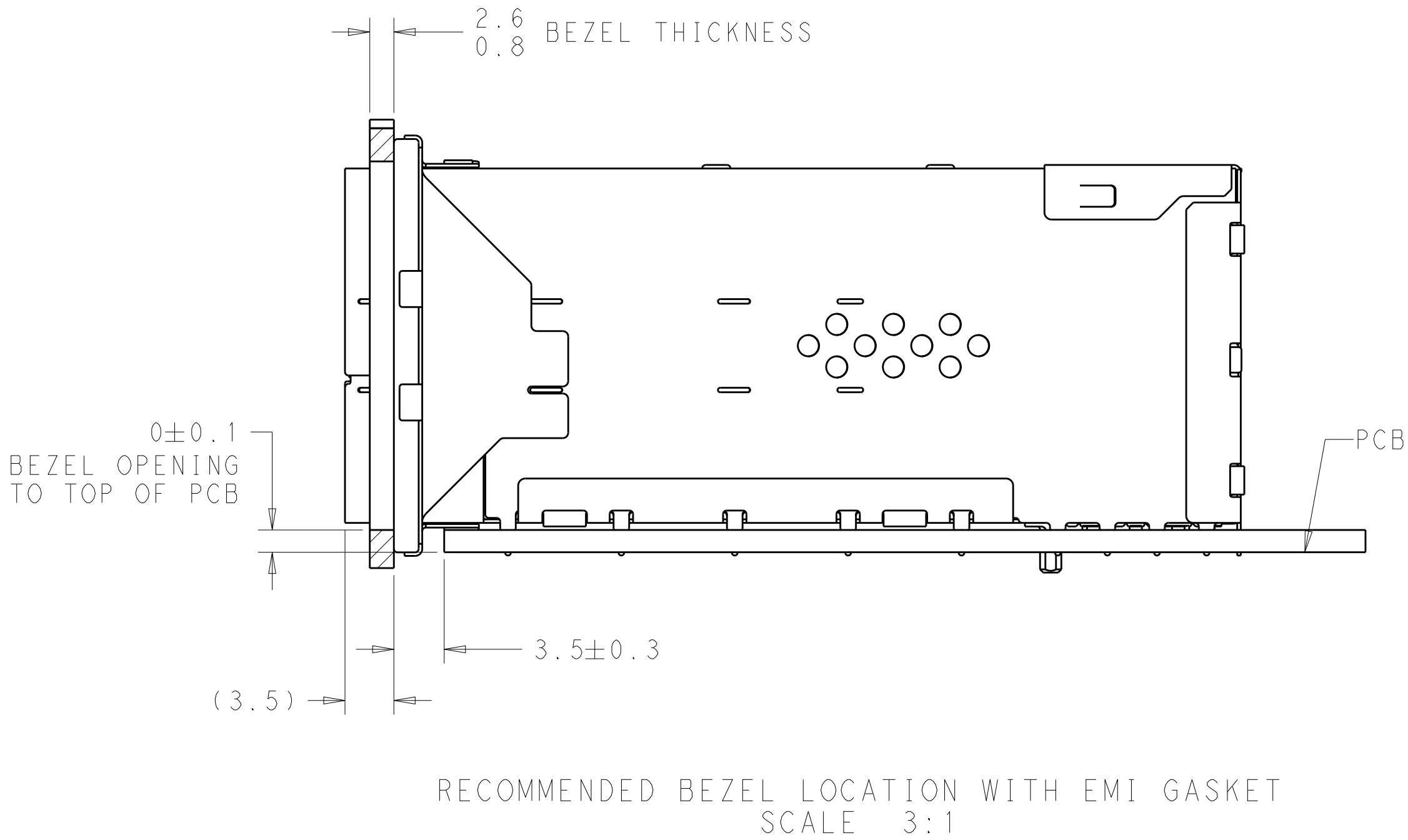
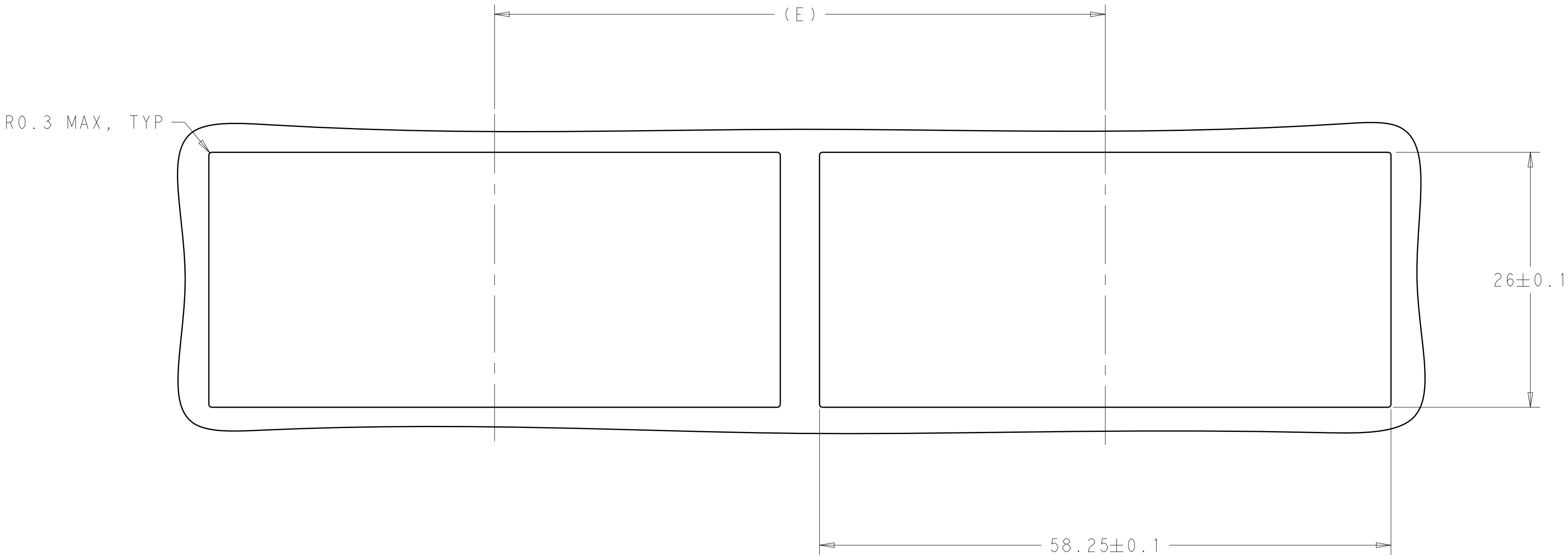
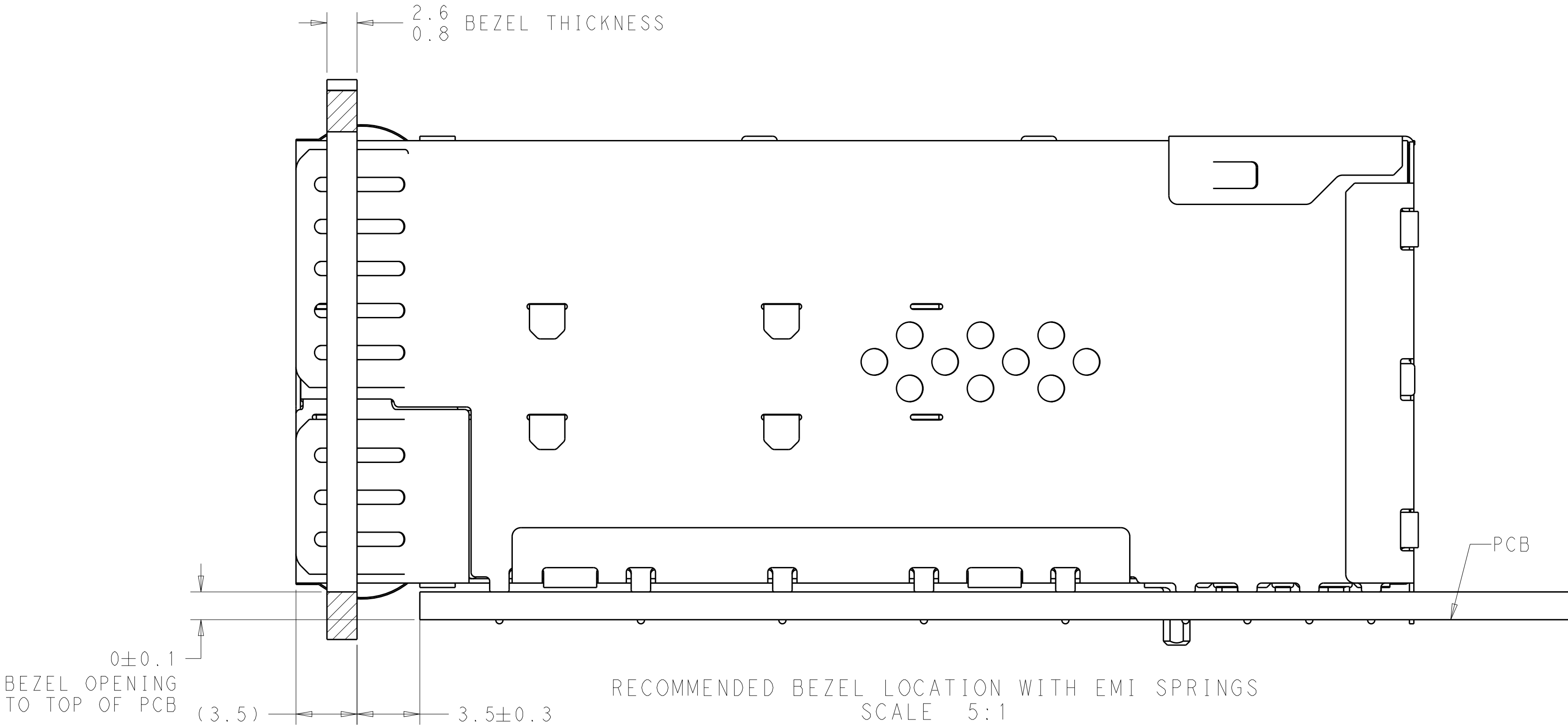
T2○ T5○ T8○
T1○ T4○ T7○ T10○
T3○ T6○ T9○

L9○ L6○ L3○
L10○ L7○ L4○ L1○
L8○ L5○ L2○

L12○ L15○ L18○
L11○ L14○ L17○ L20○
L13○ L16○ L19○

DETAIL F
PIN MAP
4 PLACES
SCALE 15:1

PIN MAP LEGEND	
PIN NUMBER	FUNCTION
L1/T1	VEET
L2/T2	TX-FAULT
L3/T3	TX-DISABLE
L4/T4	SDA
L5/T5	SCL
L6/T6	MOD_ABS
L7/T7	RS0
L8/T8	RX_LOS
L9/T9	RS1
L10/T10	VEER
L11/T11	VEER
L12/T12	RD+
L13/T13	RD+
L14/T14	VEER
L15/T15	VCCR
L16/T16	VCCT
L17/T17	VEET
L18/T18	TD+
L19/T19	TD-
L20/T20	VEET



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DIMENSIONS:		CHK S. HAN 17JUL2018		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD S. HAN 17JUL2018	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56	
	0 PLC	±0.25	PRODUCT SPEC	
	1 PLC	±0.25	108-2481	
	2 PLC	±0.25	APPLICATION SPEC	
	3 PLC	±0.25	114-13319	
MATERIAL		FINISH	WEIGHT	RESTRICTED TO
SEE NOTES		SEE NOTES	-	-
		CUSTOMER DRAWING	SCALE 4:1	SHEET 7 OF 7 REV B

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