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LOC

DIST

GP

00

REV

LYR

DESCRIPTION

DATE

DWN

APVD

A

PRODUCTION RELEASE

05JUN2019

JW

SH

B

REVISED PER ECO-19-014631

24SEP2019

JY

SH

CAGE ASSEMBLY

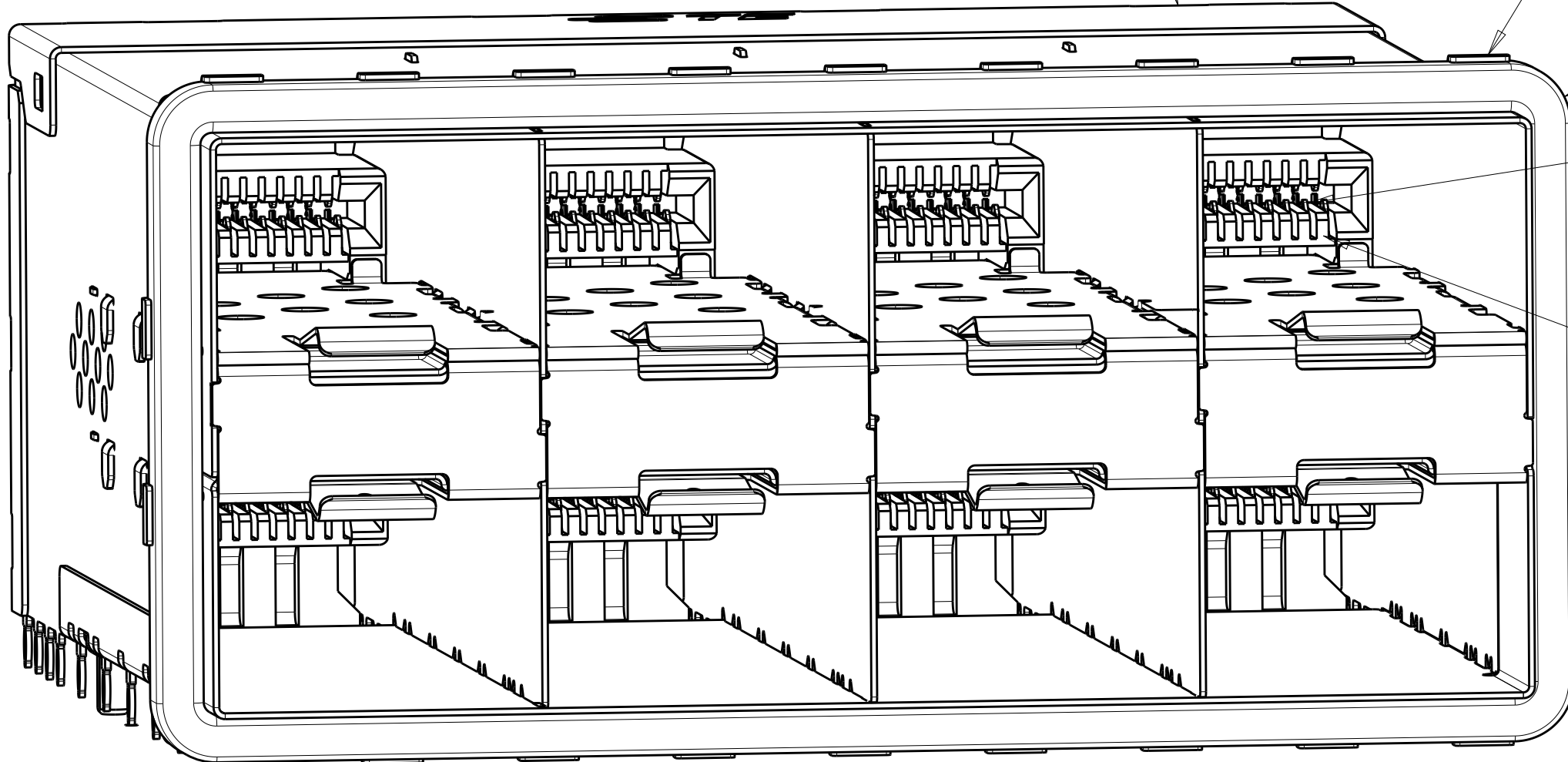
GASKET FLANGE

EMI GASKET

CONTACT CHICKLET

CHICKLET ALIGNMENT CLIP

RECEPTACLE HOUSING



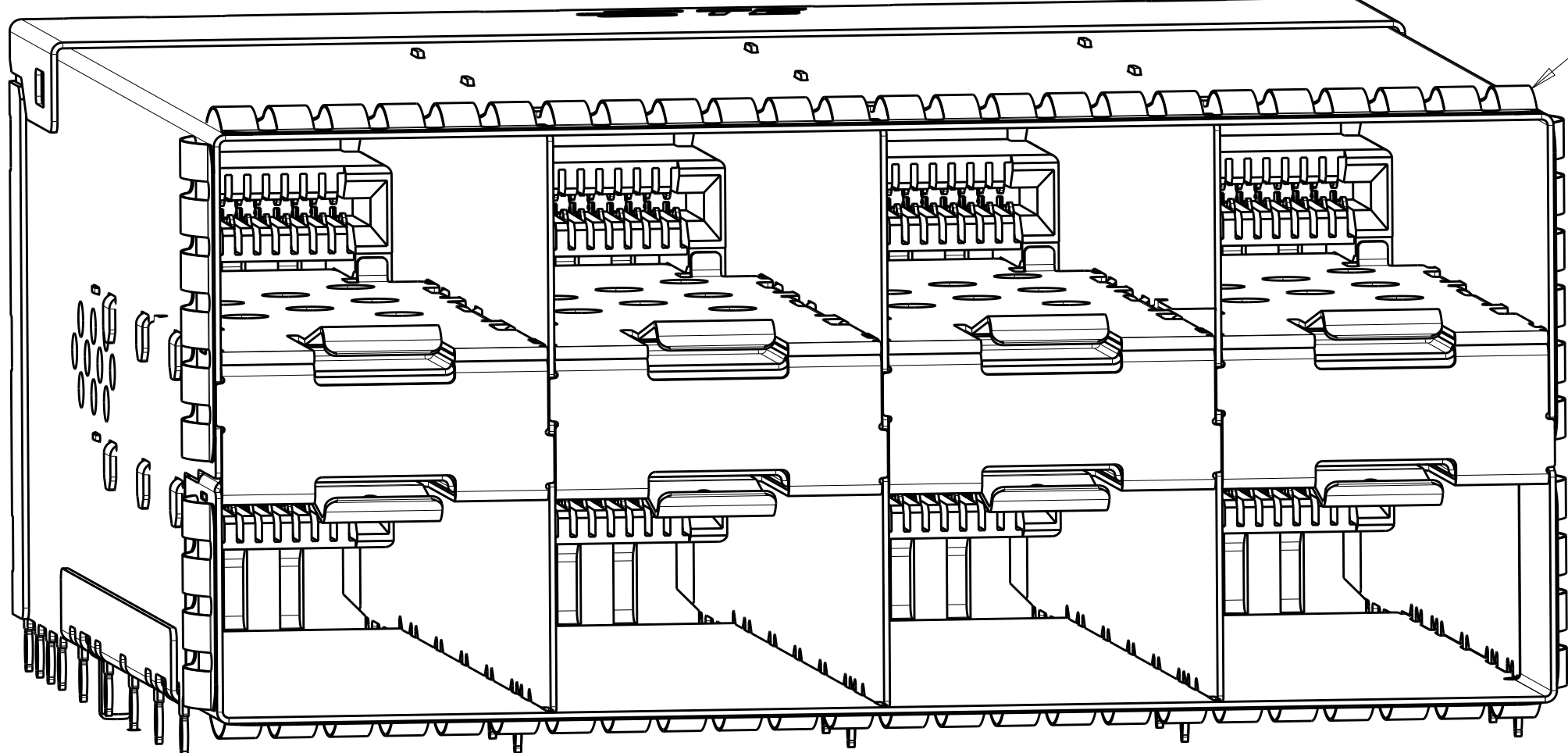
2339978-1

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

CHK

APVD

DATE

17JUL2018

17JUL2018

17JUL2018

DIMENSIONS:

mm

0 PLC ±0.25

1 PLC ±0.25

2 PLC ±0.25

3 PLC ±0.25

4 PLC ±

ANGLES ±4°

FINISH

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

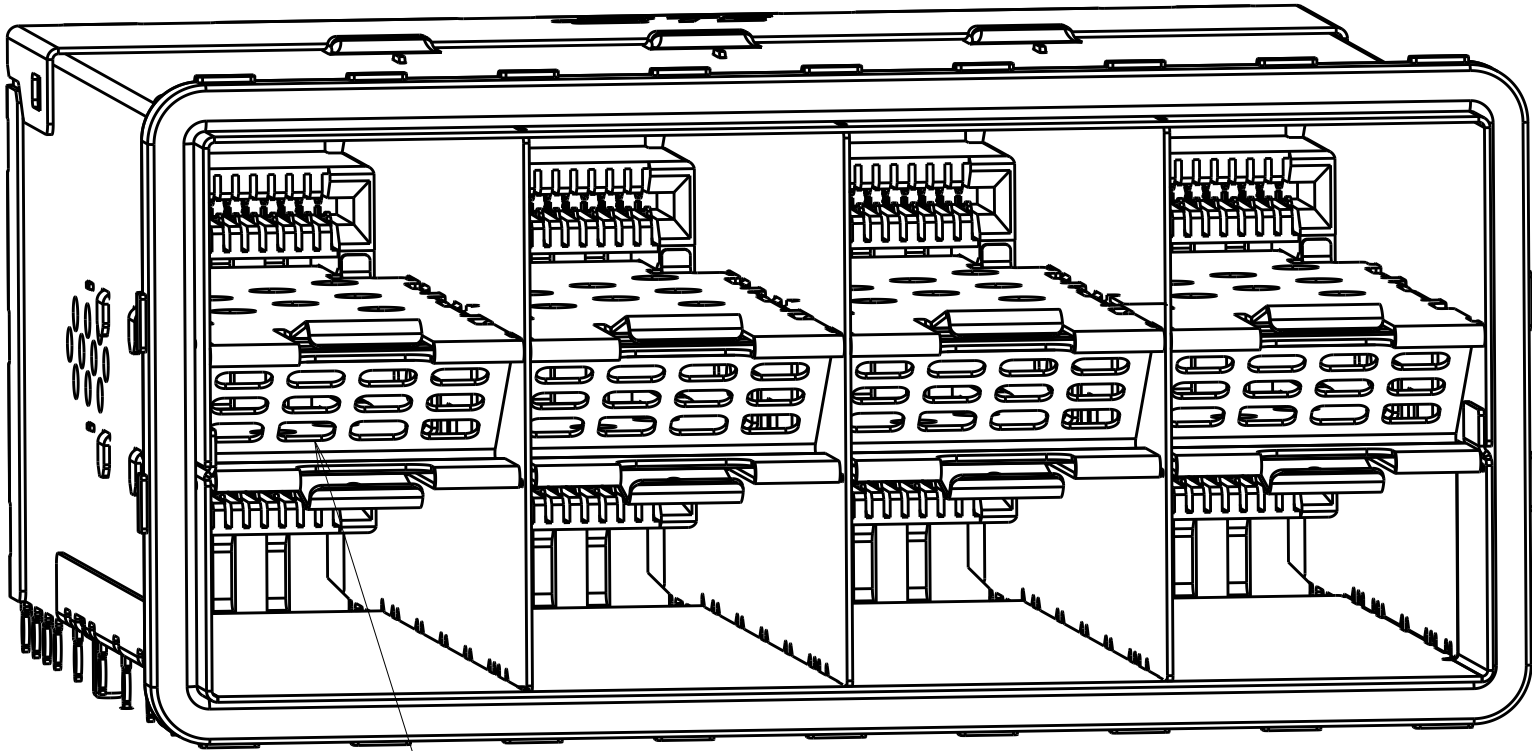
RESTRICTED TO

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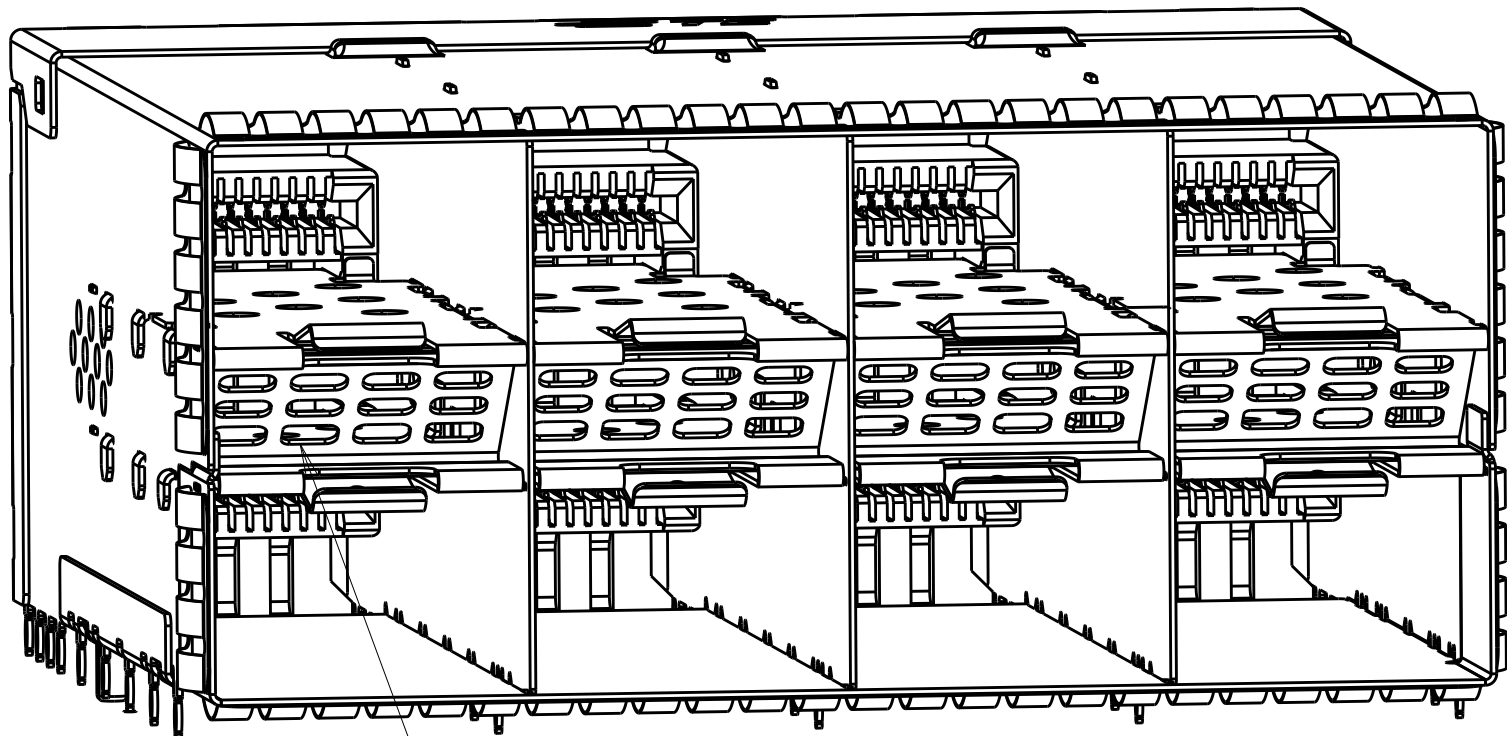
4805 (3/11)

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

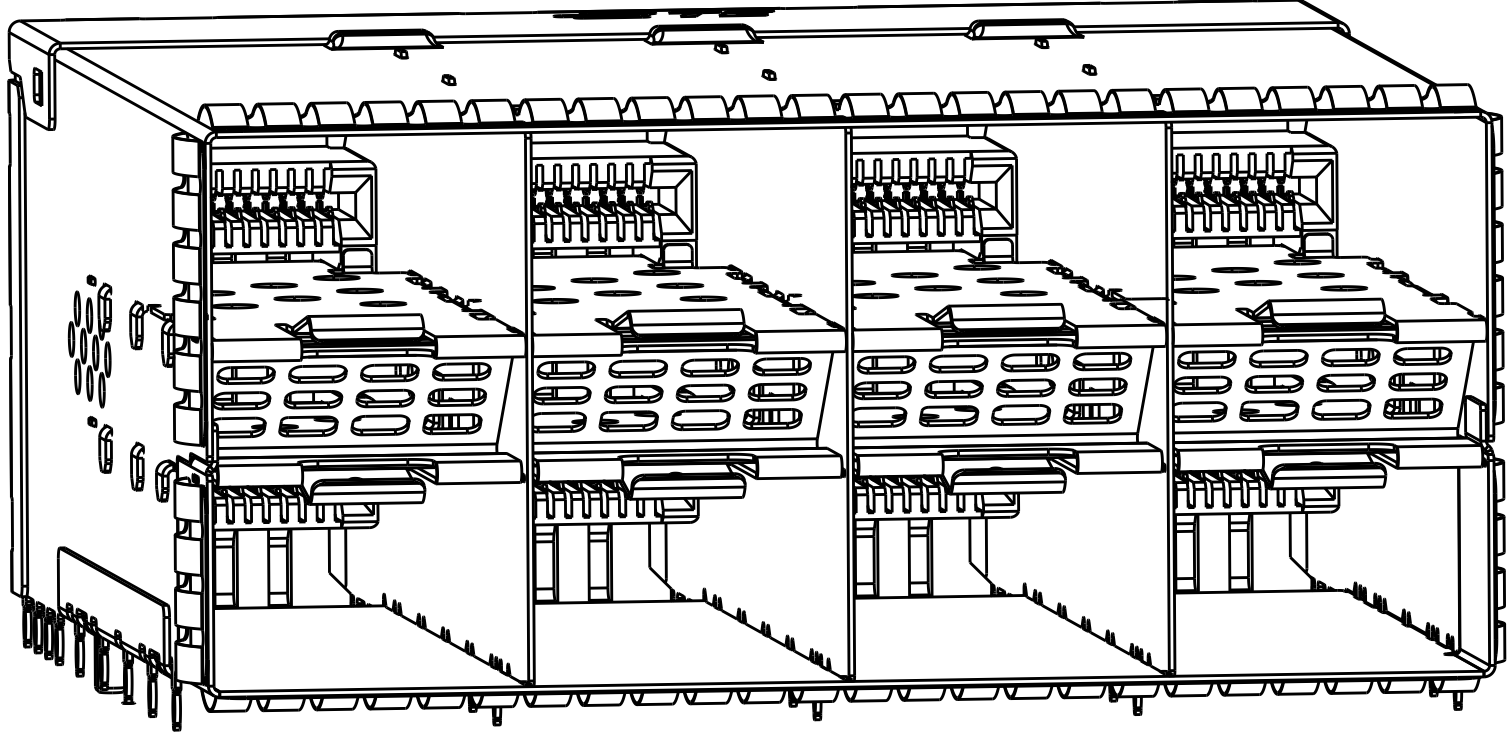
AIRFLOW ENHANCE W/O LP TYPE



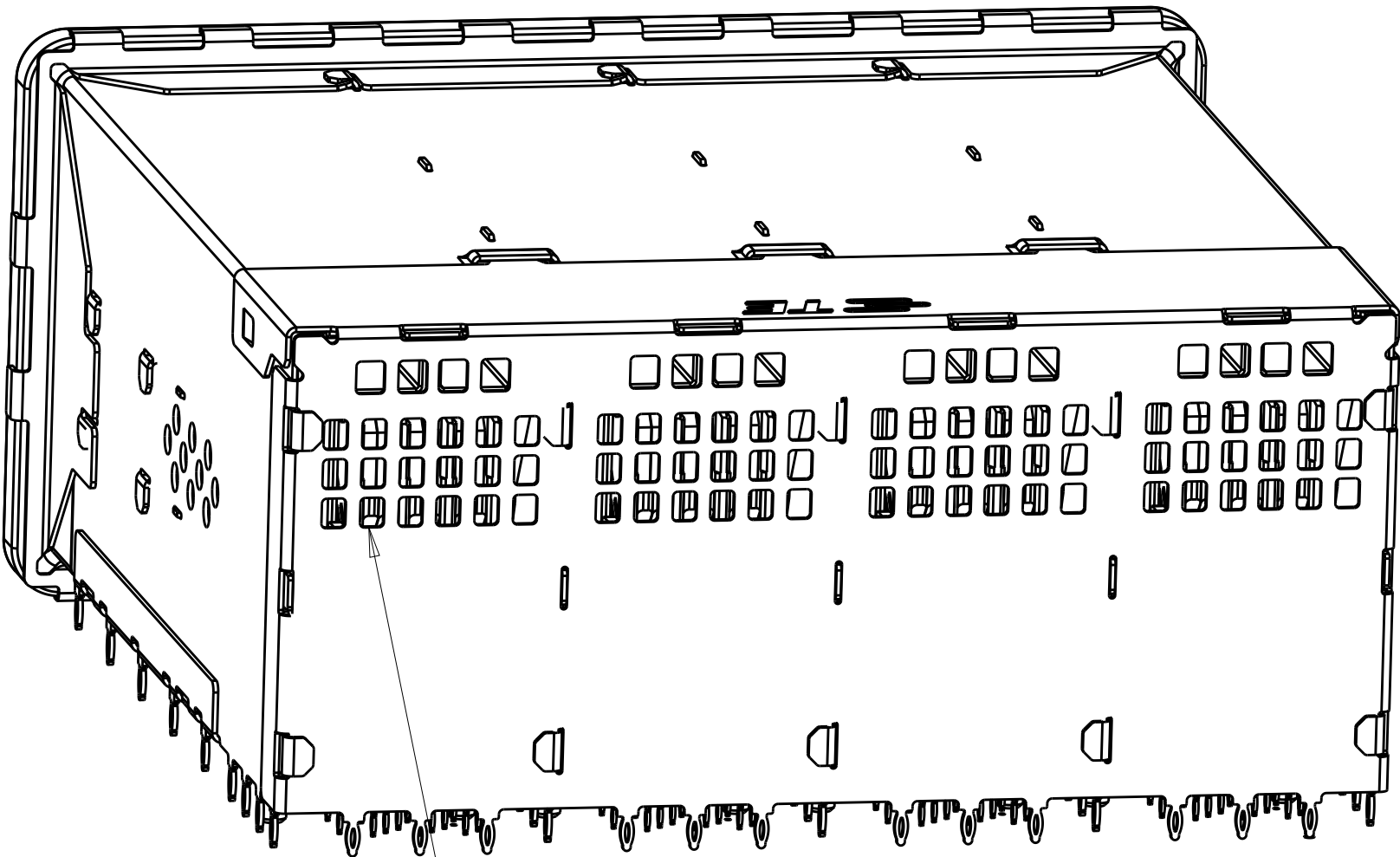
AIR VENTS



AIR VENTS

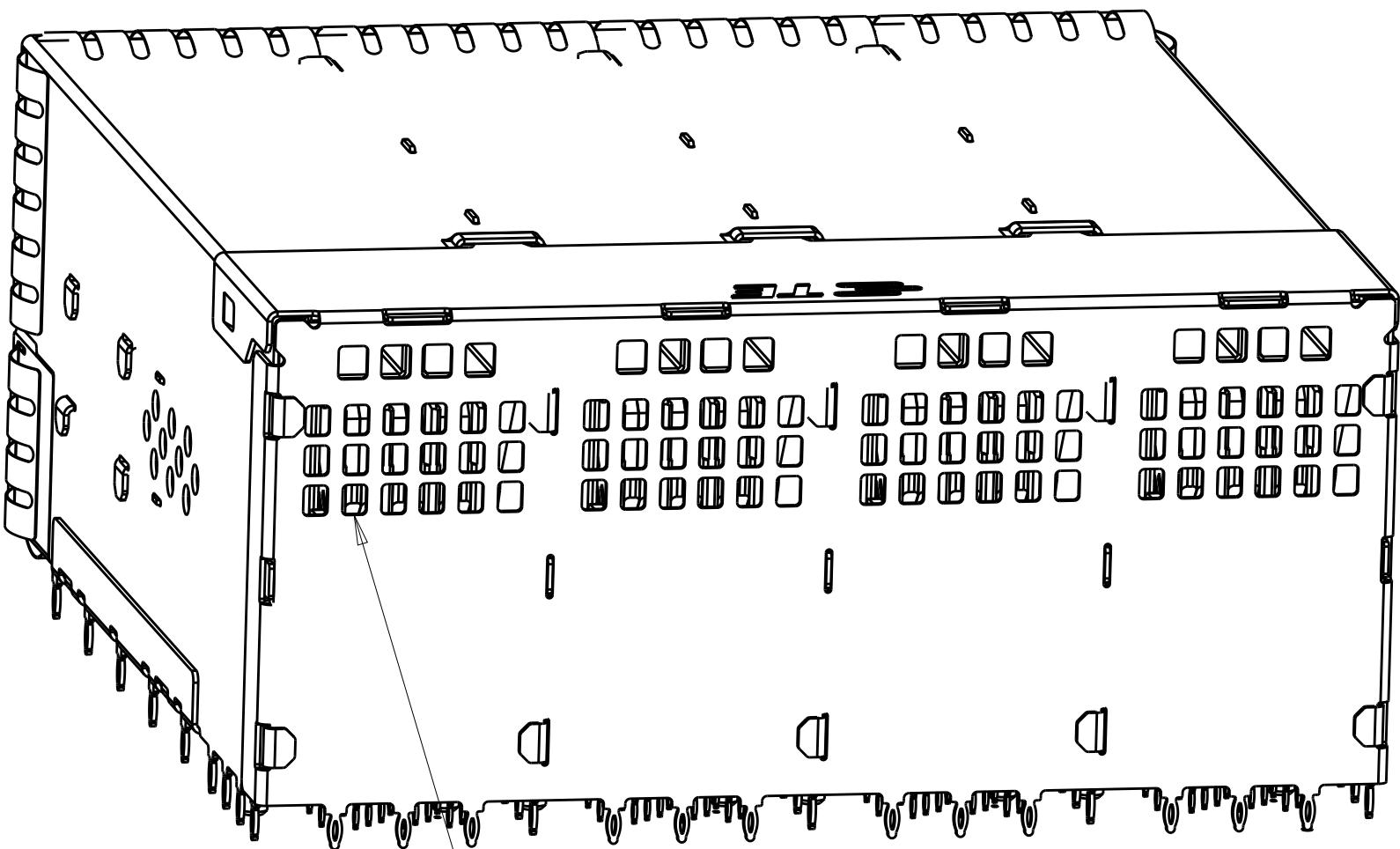


INSULATOR TAPE



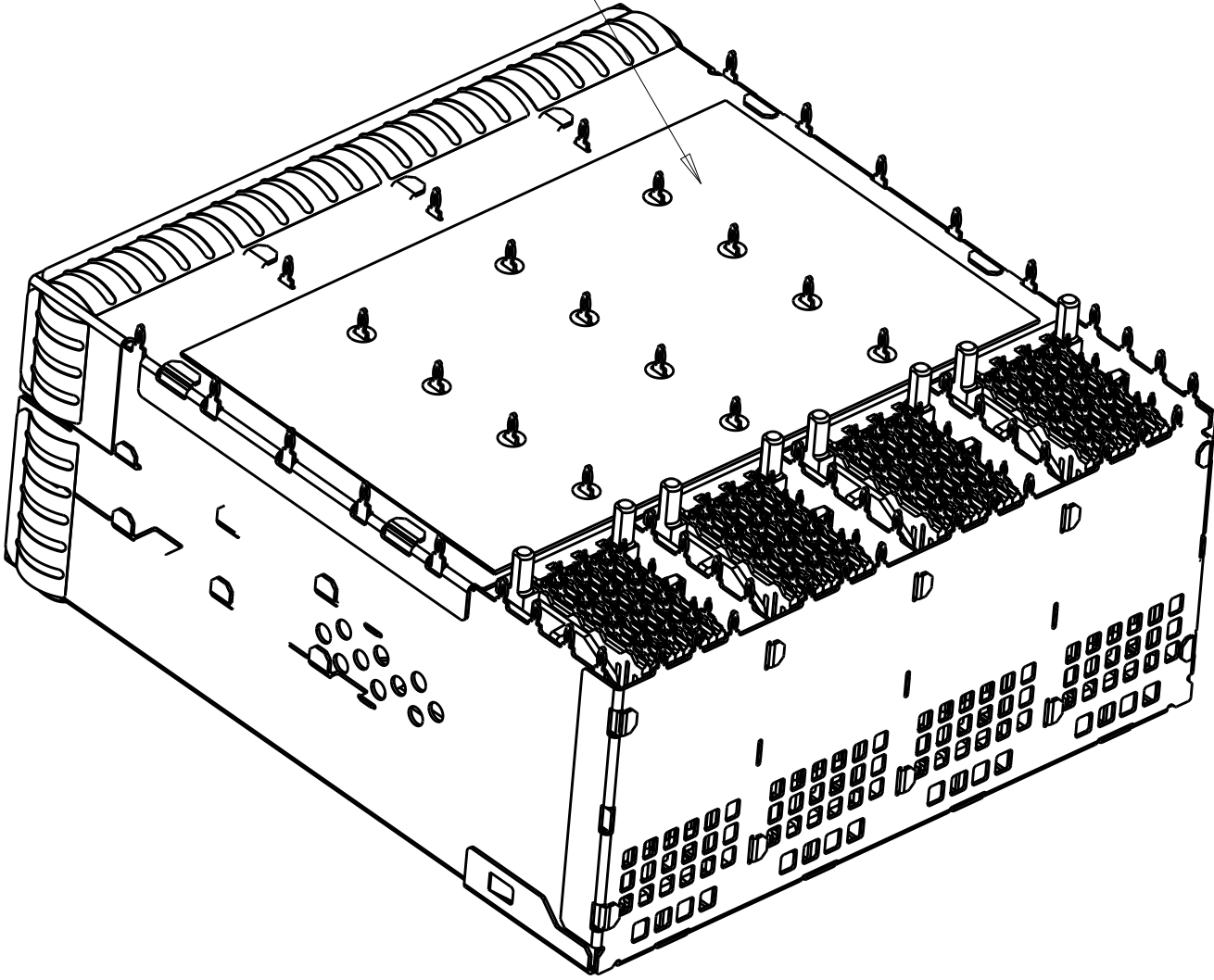
AIR VENTS

3-2339978-0
EMI GASKET TYPE

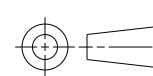


AIR VENTS

3-2339978-1
EMI SPRING TYPE

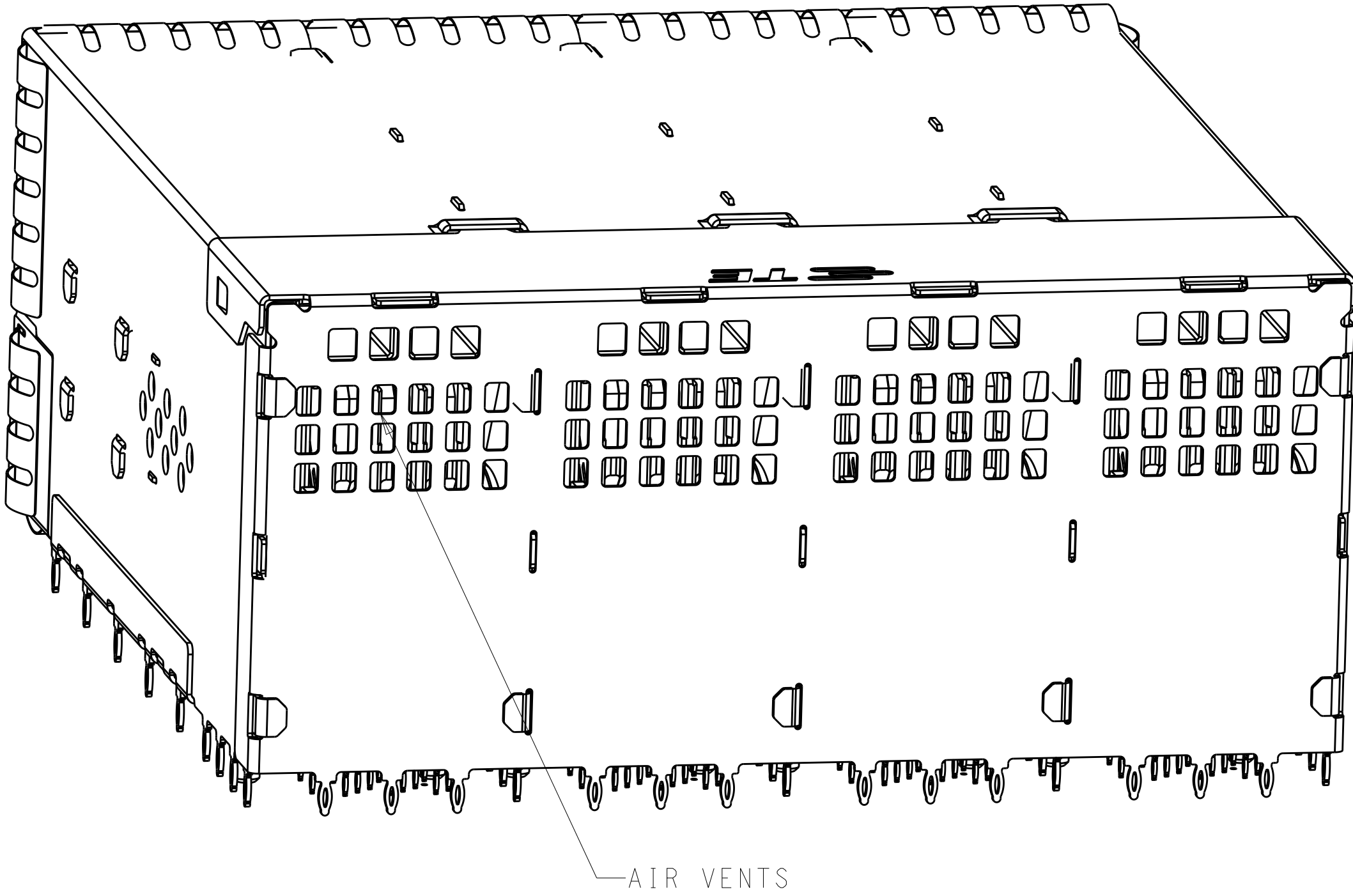
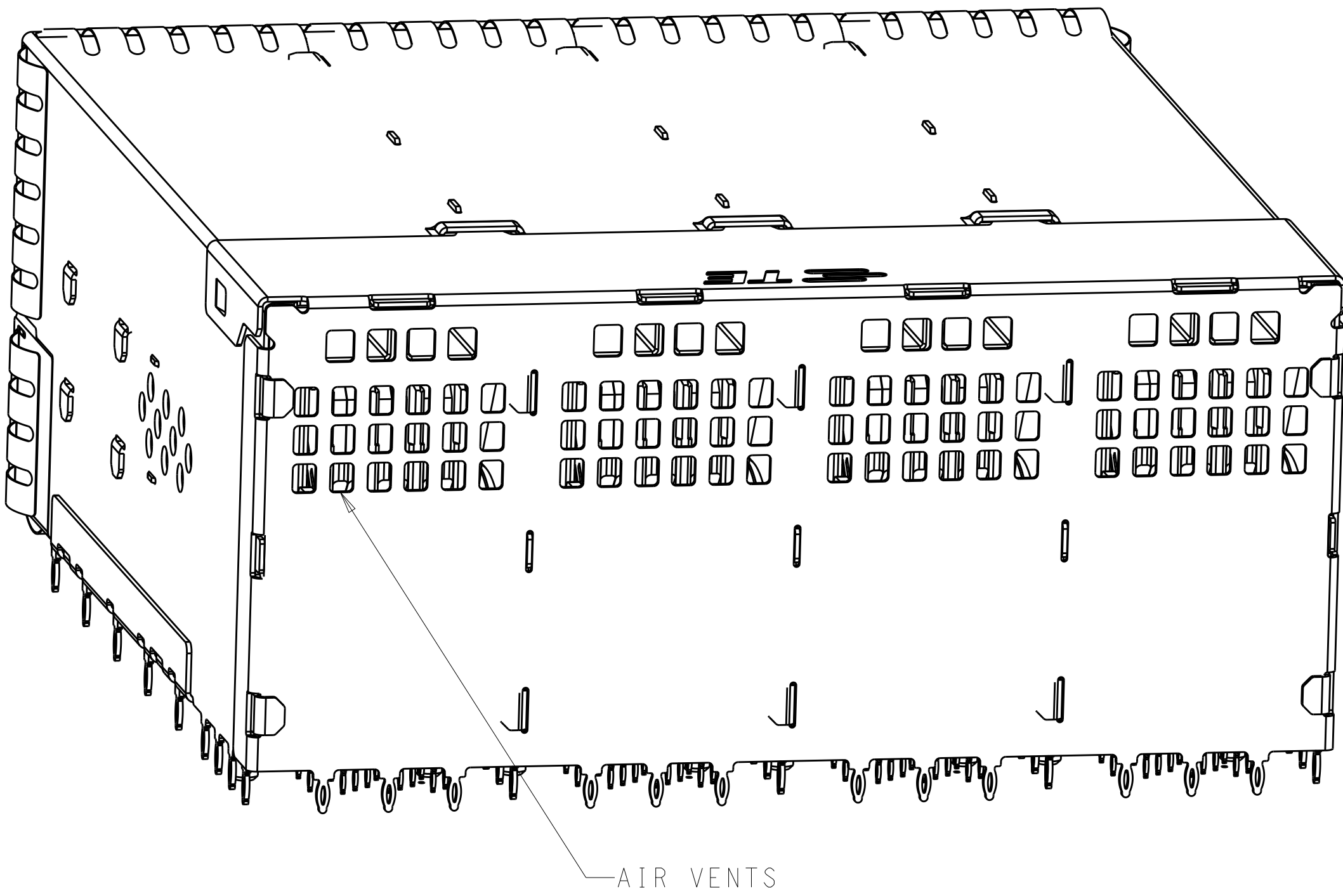
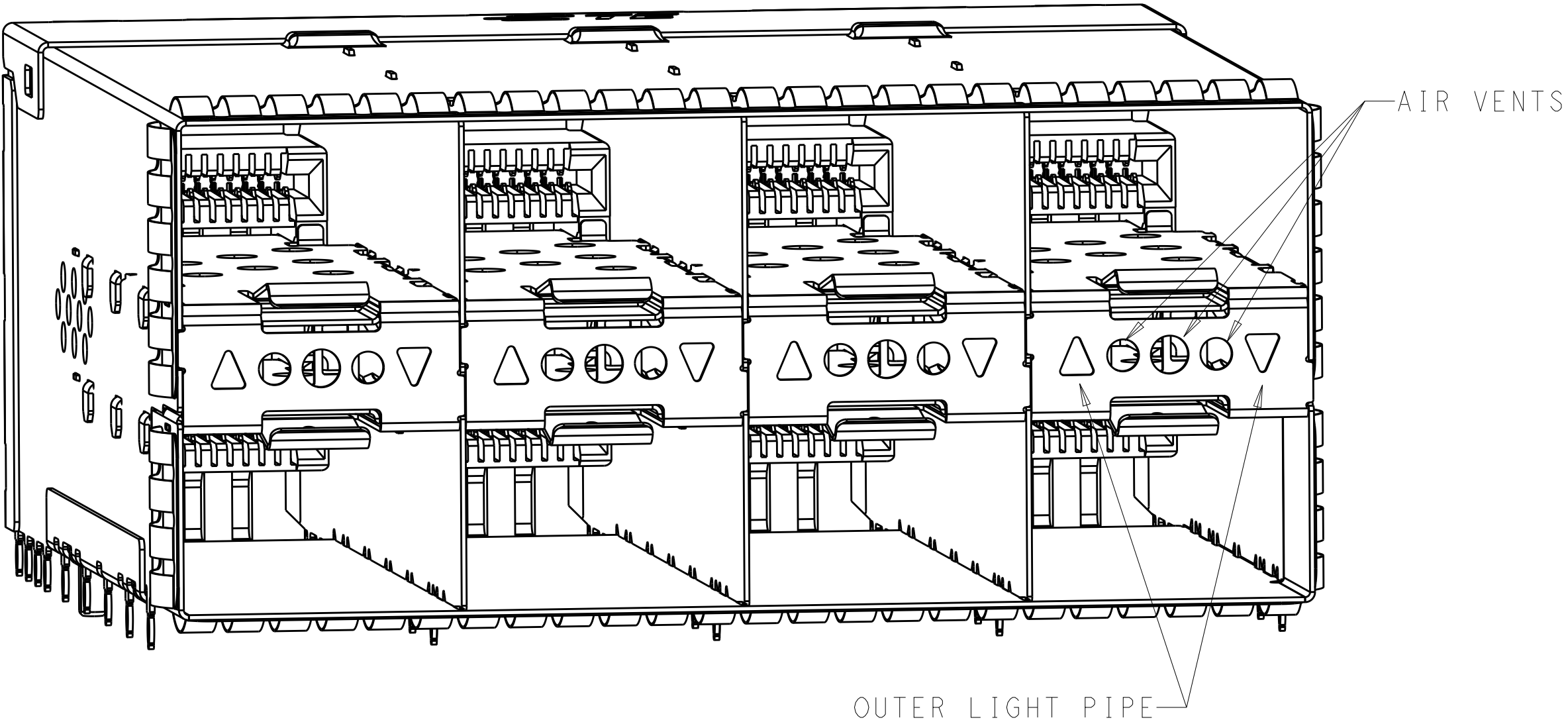
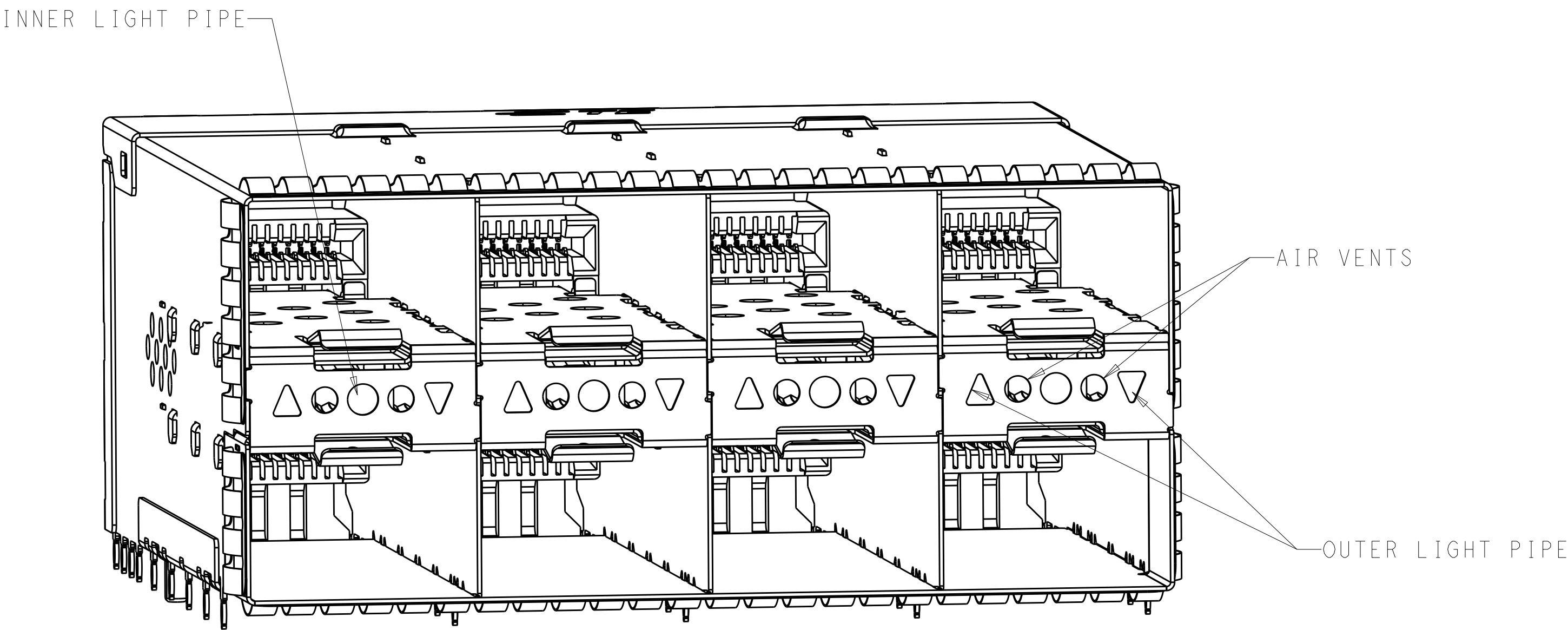


3-2339978-4
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. WANG 17JUL2018	 TE Connectivity	
		CHK S. HAN 17JUL2018		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° FINISH	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56	
			SIZE A100779	
APVD S. HAN 17JUL2018		RESTRICTED TO -		
PRODUCT SPEC 108-2481				
APPLICATION SPEC 114-13319		SCALE 4:1		
WEIGHT -			SHEET 2 OF 7	
CUSTOMER DRAWING		REV B		
MATERIAL SEE NOTES				

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

AIRFLOW ENHANCE W/ LP TYPE

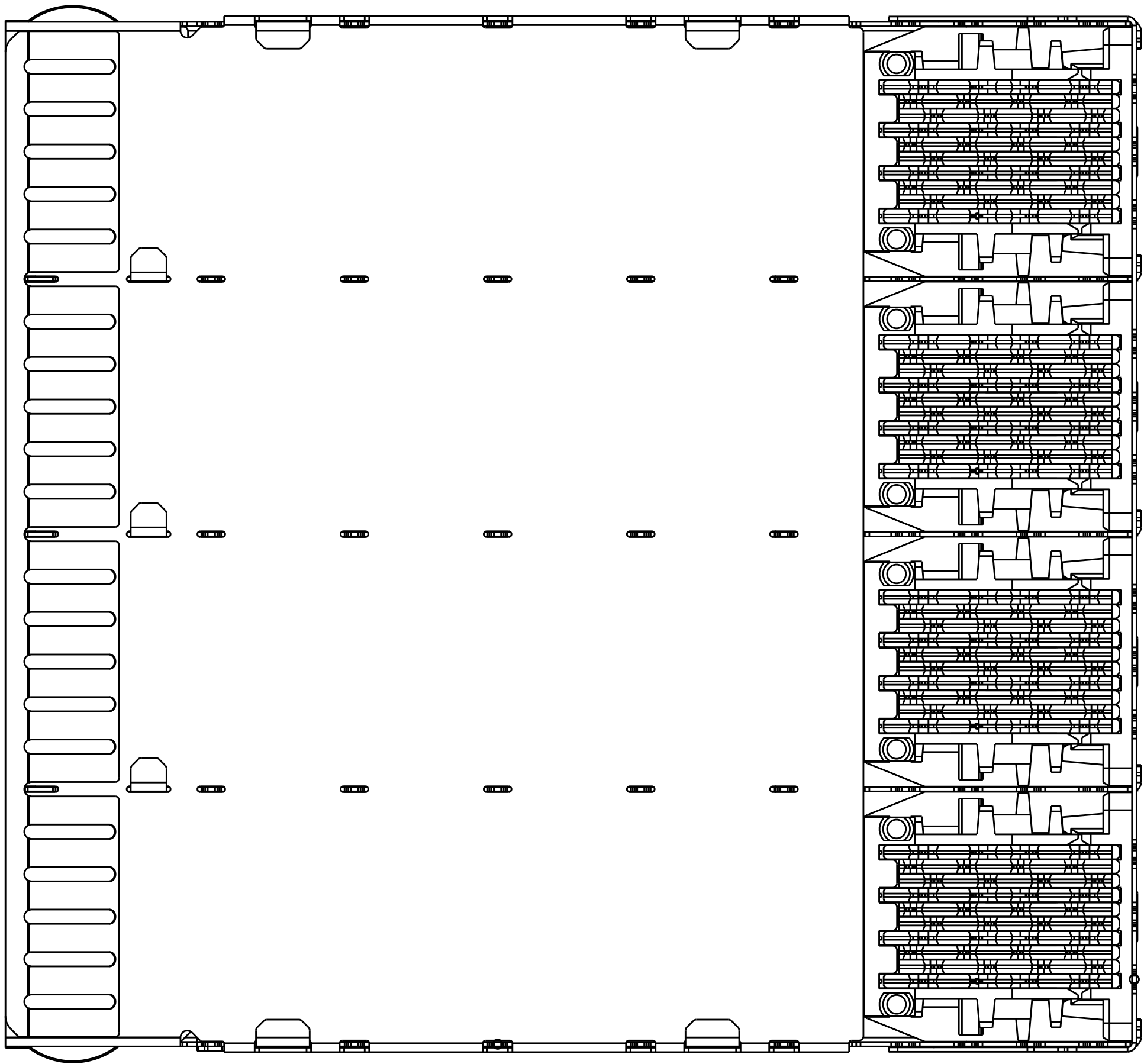
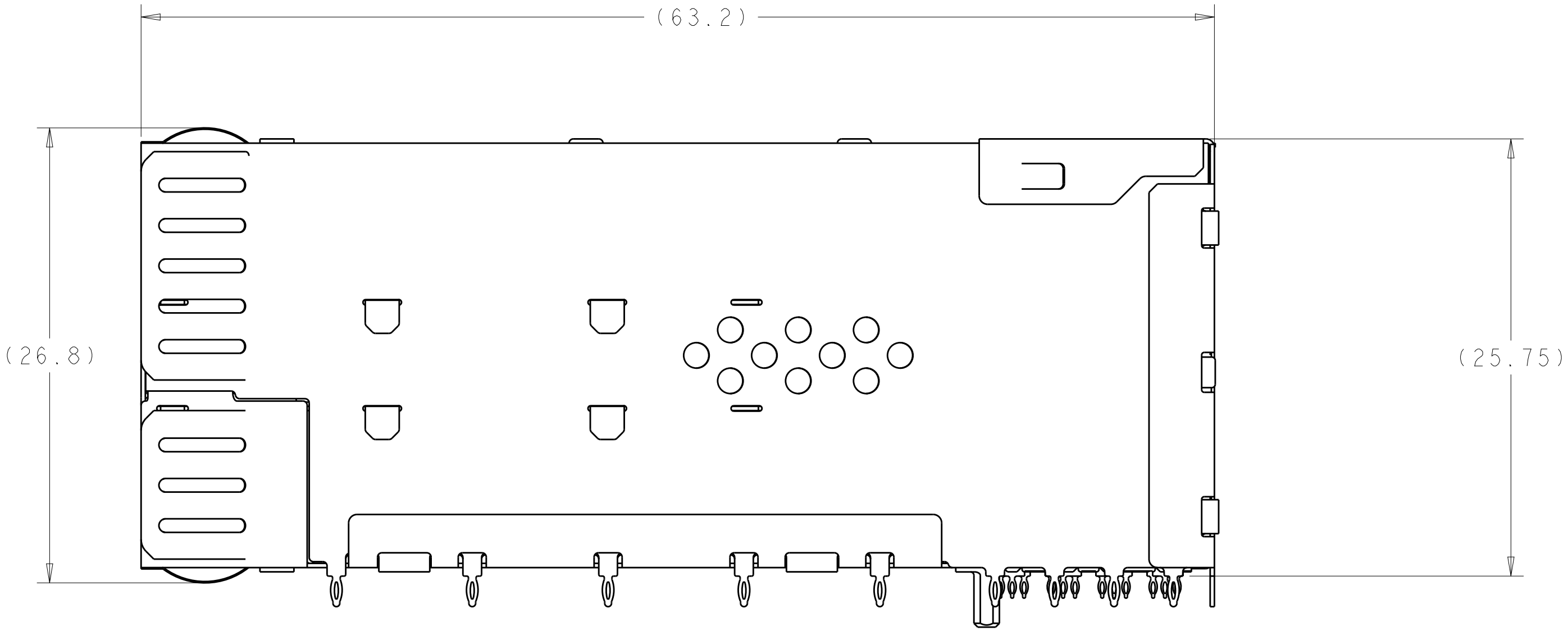
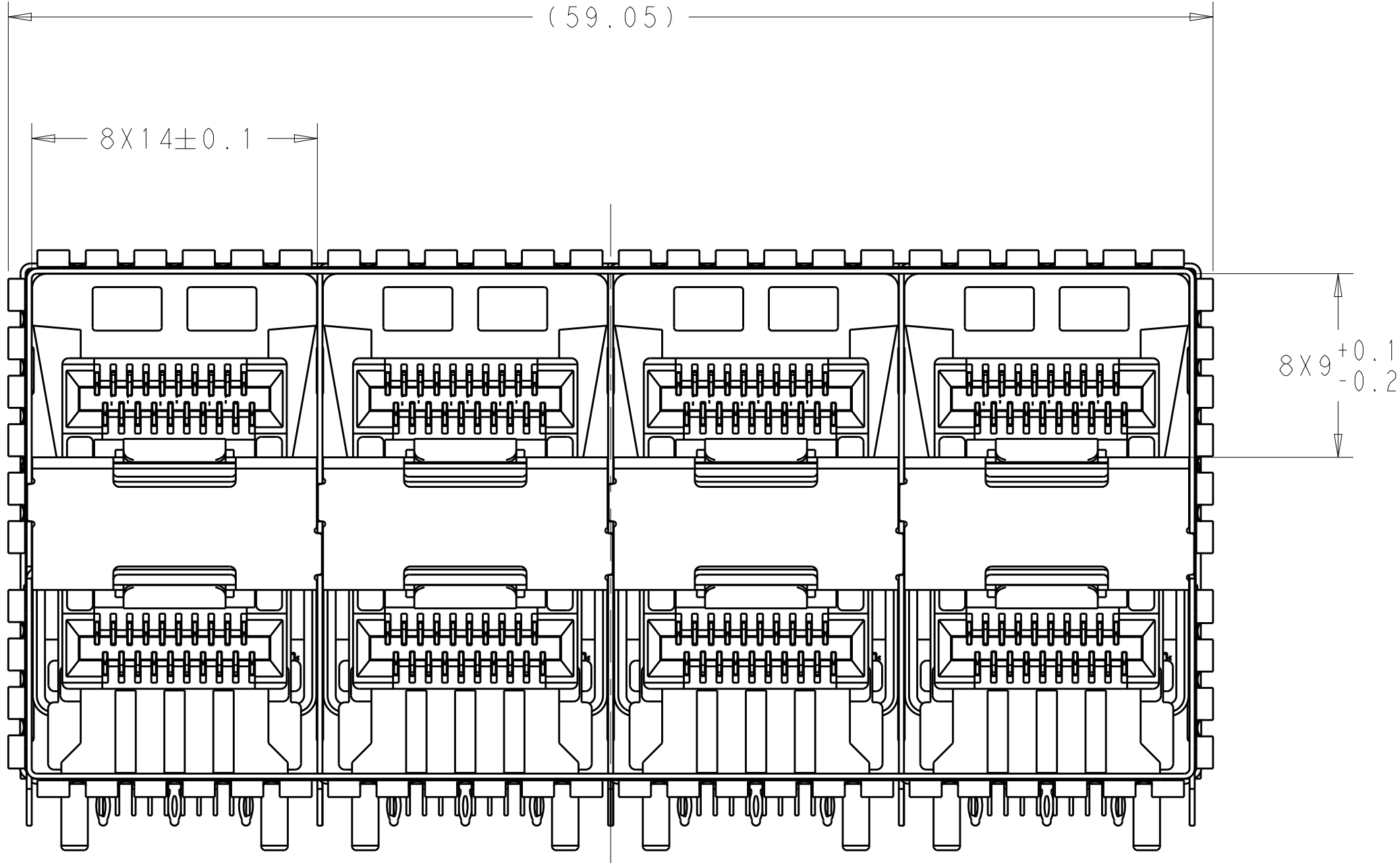


3-2339978-2
EMI SPRING W/ LP TYPE

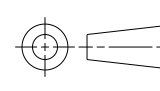
3-2339978-3
EMI SPRING W/ OUTER LP TYPE

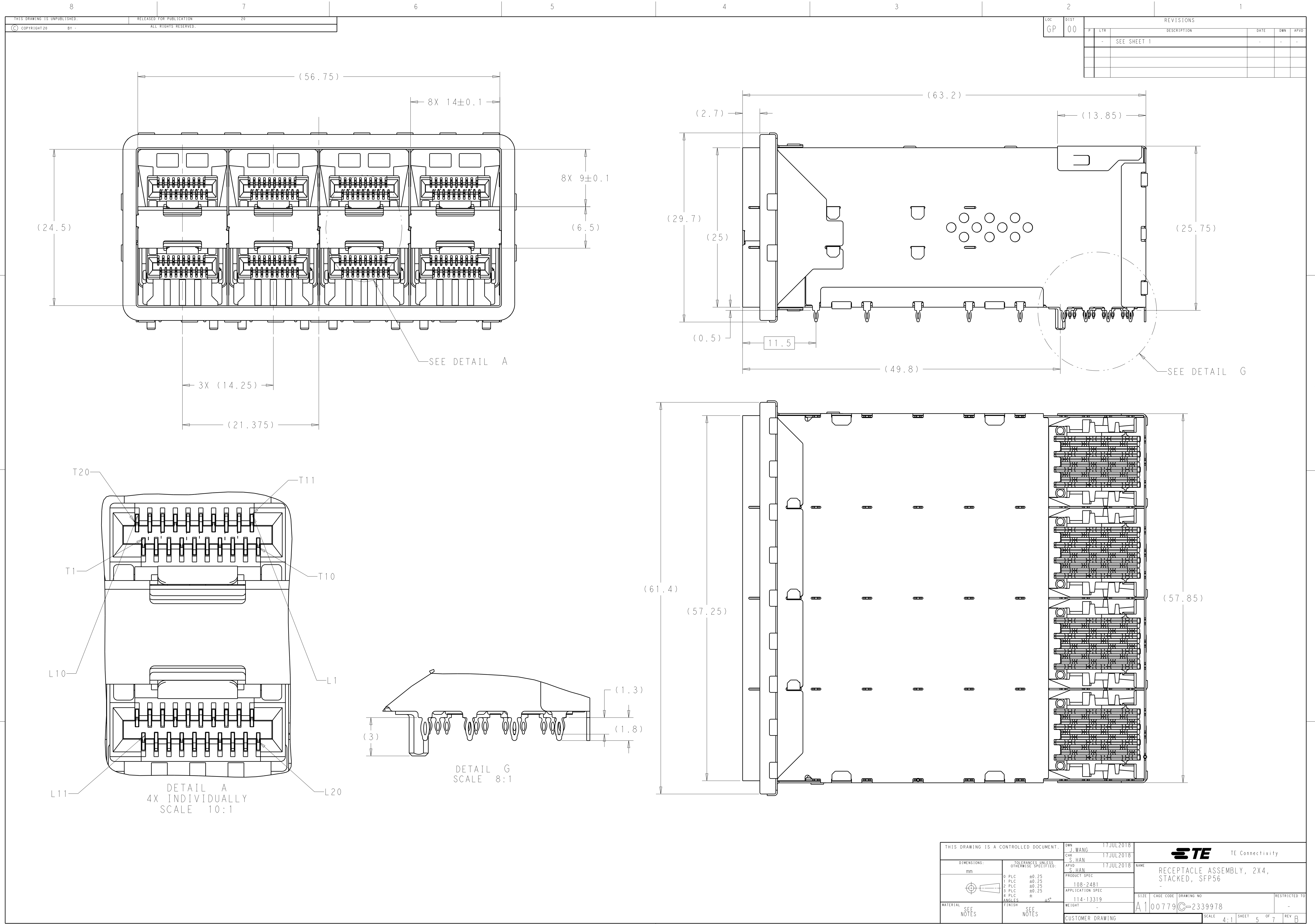
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. WANG 17JUL2018	 TE Connectivity	
DIMENSIONS: mm		CHK S. HAN 17JUL2018		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±4° FINISH		APVD S. HAN 17JUL2018	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56	
MATERIAL SEE NOTES		PRODUCT SPEC 108-2481 APPLICATION SPEC 114-13319 WEIGHT -	SIZE A1	
		CAGE CODE C=2339978	RESTRICTED TO -	
		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	-	-	-



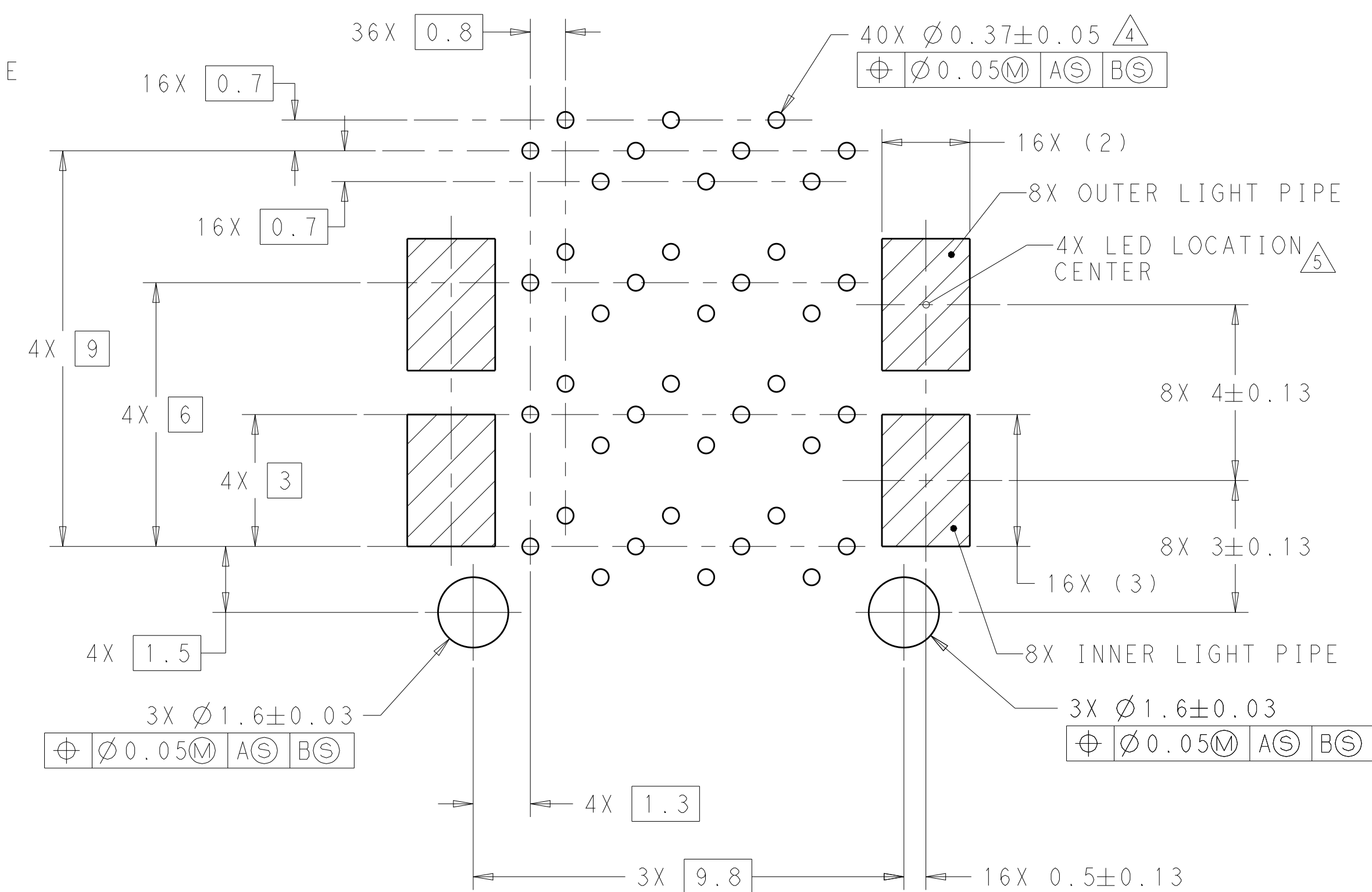
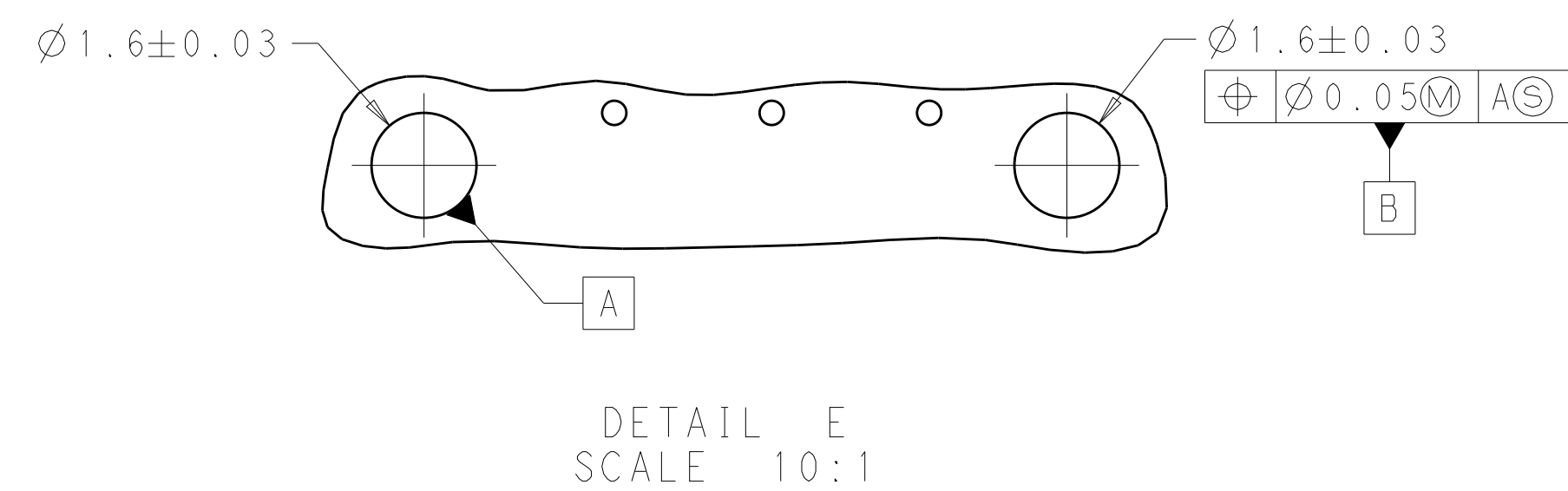
EMI SPRINGS VERSIONS ONLY
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. WANG 17JUL2018	 TE Connectivity	
DIMENSIONS: mm		CHK S. HAN 17JUL2018		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
	0. PLC ±0.25		RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56	
	1. PLC ±0.25		-	
	2. PLC ±0.25		-	
MATERIAL SEE NOTES	3. PLC ±0.25		SIZE	
	4. PLC ±		A100779C=2339978	
ANGLES FINISH SEE NOTES		APVD S. HAN 17JUL2018		RESTRICTED TO -
		PRODUCT SPEC 108-2481		SCALE 4:1
		APPLICATION SPEC 114-13319		
		WEIGHT -		SHEET 4 OF 7
		CUSTOMER DRAWING		REV B



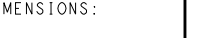
LOC		DIST		REVISIONS			
GP		00		P	LTR	DESCRIPTION	DATE
						SEE SHEET 1	

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 PIN AND LIGHT PIPE LAYOUT
SCALE 10:1



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		CHK S. HAN 17JUL2018			
		APV S. HAN 17JUL2018			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56	
mm		0 PLC ±0.25			
		1 PLC ±0.25			
		2 PLC ±0.25			
		3 PLC ±0.25			
		4 PLC ±0.25			
ANGLES		FINISH 4°		SIZE	
MATERIAL		WEIGHT 114-13319		CAGE CODE	
SEE NOTES		SEE NOTES		DRAWING NO	
				A1 00779 ©=2339978	
		CUSTOMER DRAWING		RESTRICTED TO	
				SCALE A:1	
				SHEET 6 OF 7	
				REV A	

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

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

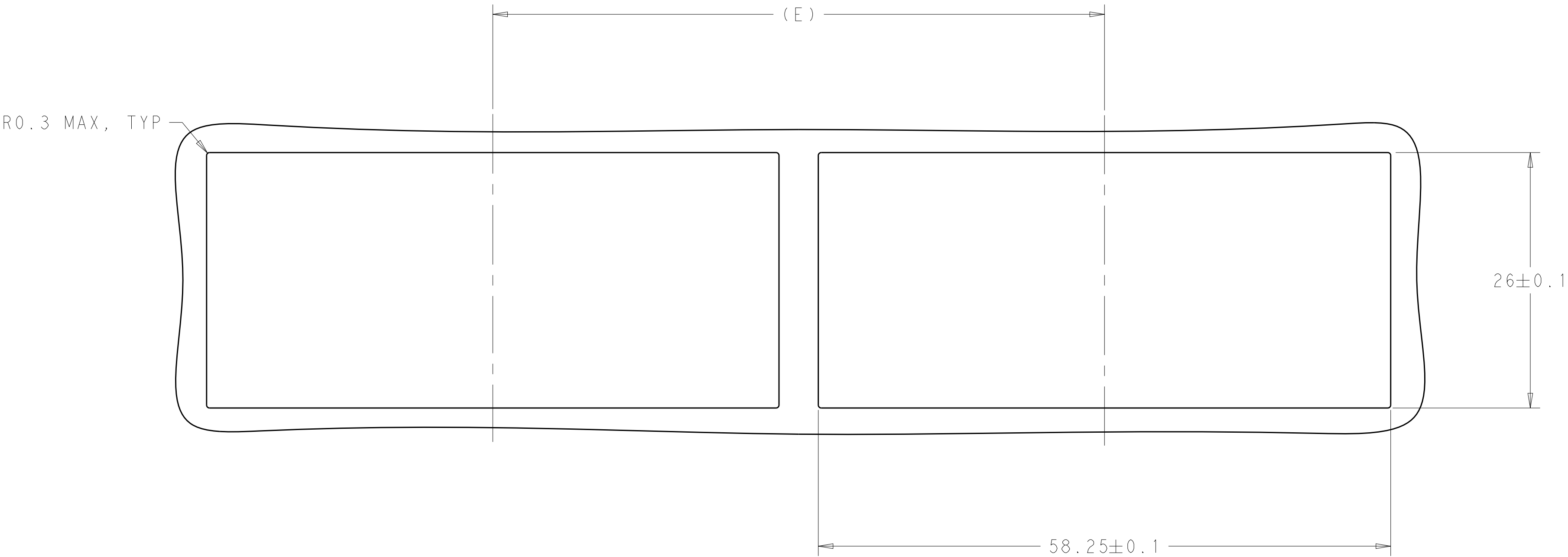
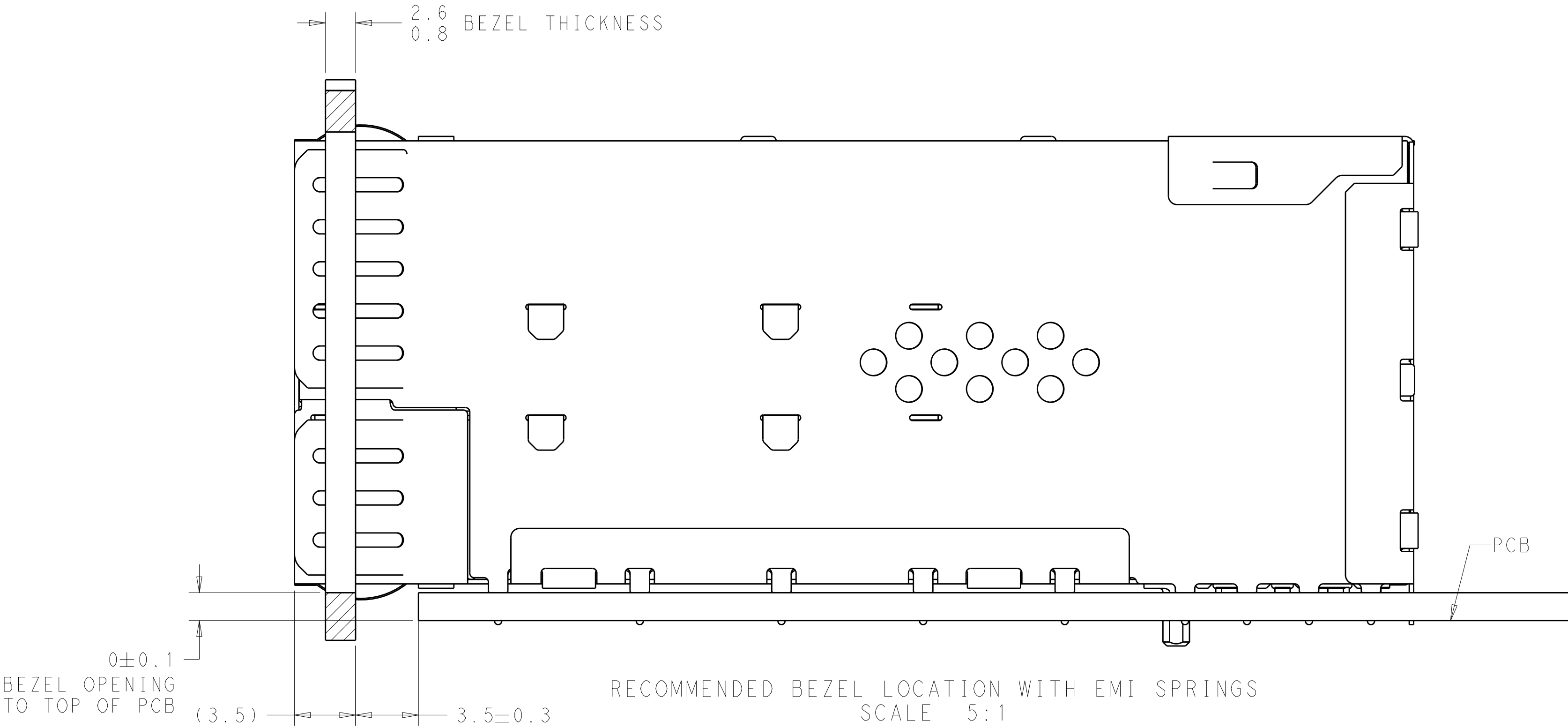
T2○ T5○ T8○
T1○ T4○ T7○ T10○
T3○ T6○ T9○

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

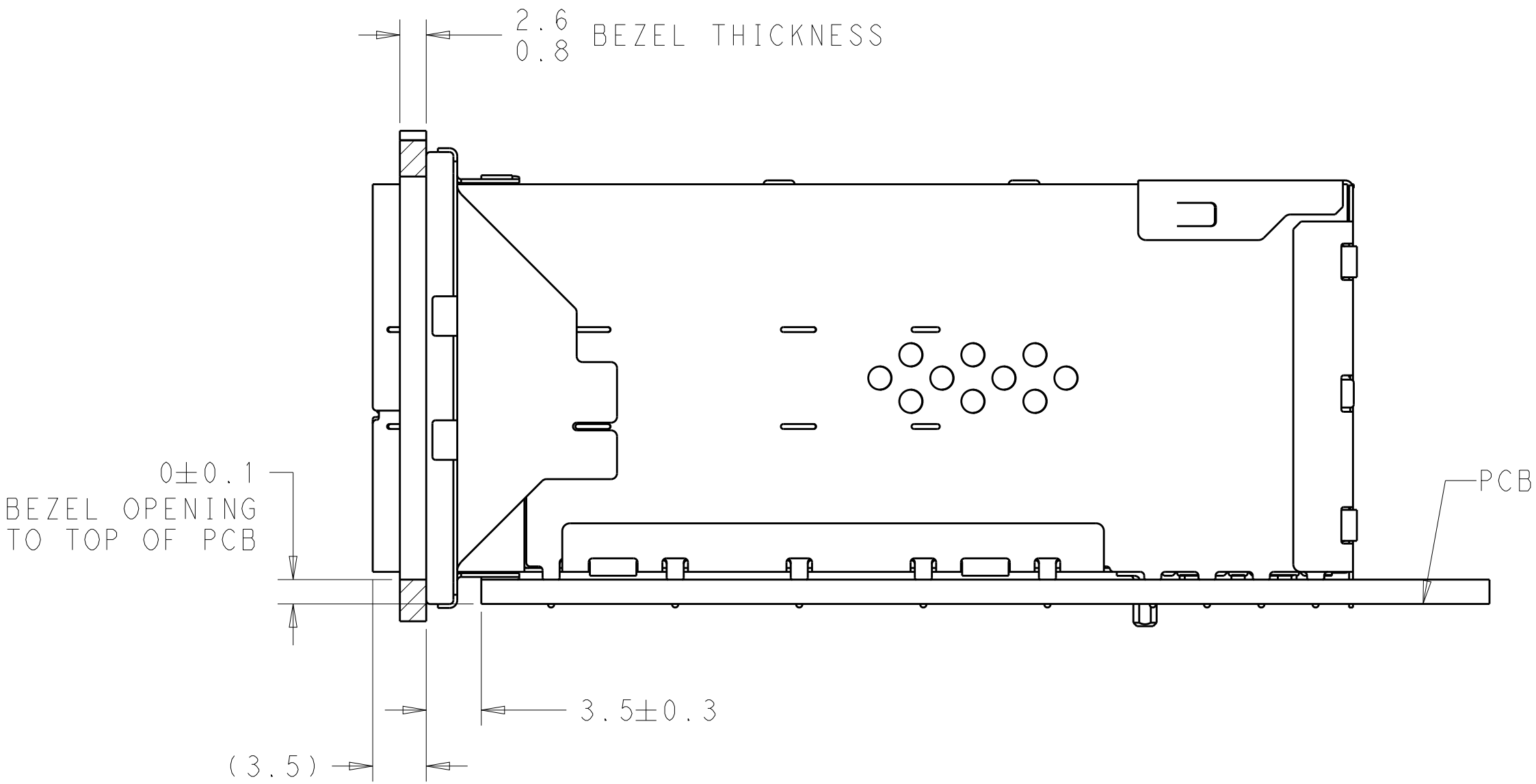
L12○ L15○ L18○
L11○ L14○ L17○ L20○
L13○ L16○ L19○

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



RECOMMENDED BEZEL CUT-OUT DETAIL
SCALE 3:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET
SCALE 3:1

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DIMENSIONS:		CHK S. HAN 17JUL2018		
mm		APVD S. HAN 17JUL2018	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, SFP56	
0 PLC ±0.25		PRODUCT SPEC		
1 PLC ±0.25		108-2481	SIZE CAGE CODE DRAWING NO	
2 PLC ±0.25		APPLICATION SPEC		
3 PLC ±0.25	ANGLES ±	114-13319	A100779C=2339978	
4 PLC ±	FINISH ±°	WEIGHT -		
MATERIAL SEE NOTES	SEE NOTES	CUSTOMER DRAWING		SCALE 4:1 SHEET 7 OF 7 REV B

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