

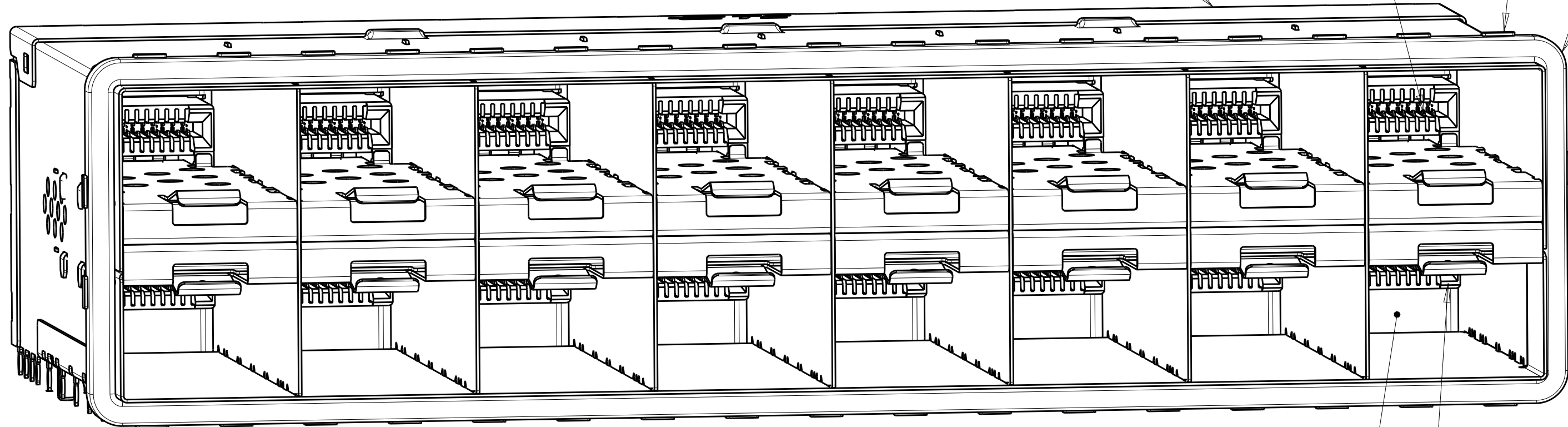
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		C	REVISED PER ECO-20-014521	130CT2020	JY	SH

CONTACT CHICKLET ALIGNMENT CLIP

GASKET FLANGE

EMI GASKET

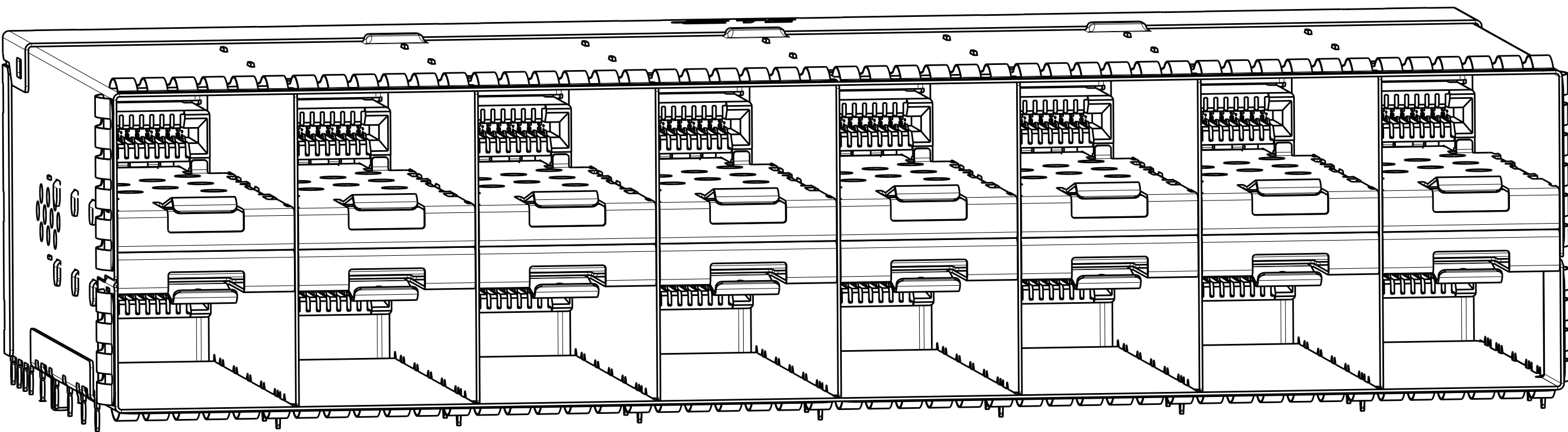
CAGE ASSEMBLY



2198346-1

RECEPTACLE HOUSING SHIELD

RECEPTACLE HOUSING



2198346-5

1. MATERIALS:
- CAGE ASSEMBLY - NICKEL-SILVER ALLOY PER ASTM B 122
 - CONNECTOR HOUSING - LCP, BLACK, UL 94V-O RATED
 - CONNECTOR HOUSING SHIELD - COPPER ALLOY
 - CHICKLET - LCP, BLACK, UL 94V-O RATED
 - CHICKLET ALIGNMENT CLIP - PBT
 - 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
 - LIGHT PIPE HOUSING - ZINC ALLOY

2. CONTACT FINISH:
- 0.76µm MIN GOLD PER ASTM B 844 AT MATING INTERFACE,
 - 1.25µm MIN MATTE TIN PER ASTM B 545 AT PCB INTERFACE
 - ALLOVER 2.54µm MIN NICKEL PER QQ-N-290.

3. PCB MINIMUM THICKNESS = 1.5mm

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

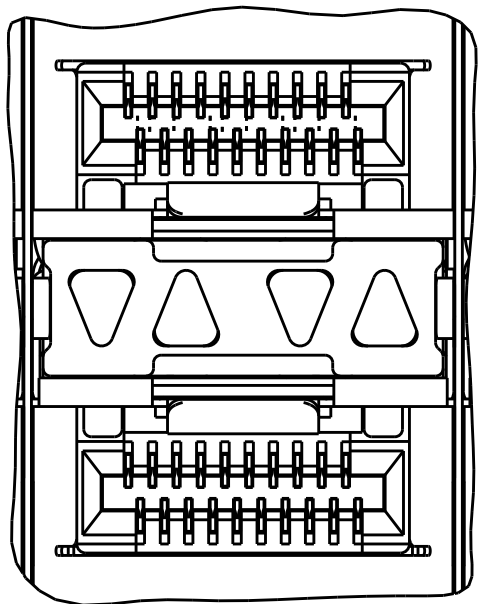
△5 LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW PROFILE LED PACKAGE WITH A HEIGHT OF 0.8mm

△6 DIMENSIONS APPLY FOR EMI SPRINGS ONLY

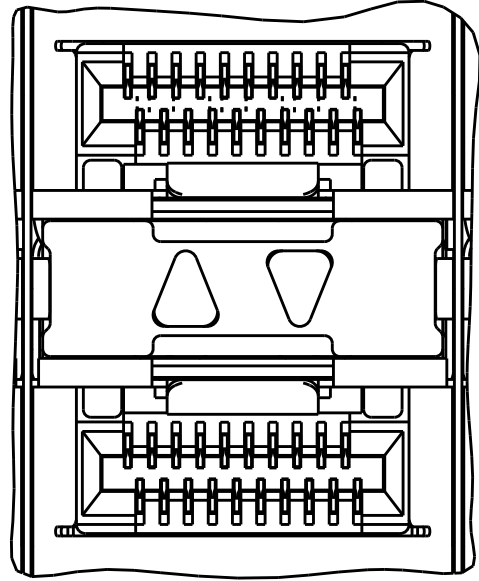
△7 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN

△8 THE DIMENSIONS APPLY TO 4-2198346-0 ONLY.

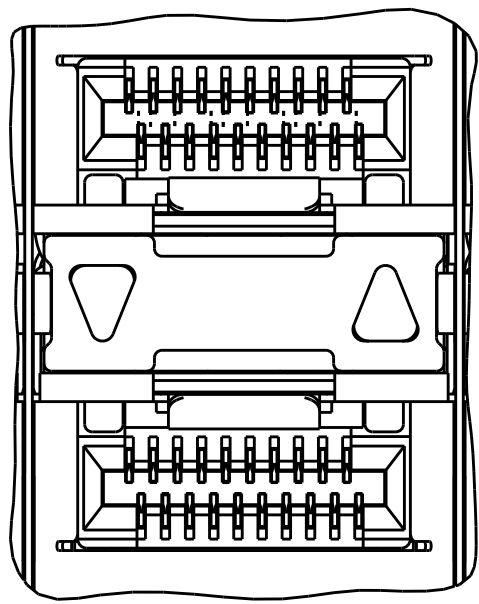
116.5	THERMAL HOLE TOP SURFACE	INNER	4-2198346-0
116.5	EMI SPRINGS,TAPE AIRFLOW ENHANCE TYPE	NONE	3-2198346-3
119.25	EMI GASKET LOW PROFILE FLANGE	INNER	3-2198346-2
116.5	EMI SPRINGS AIRFLOW ENHANCE TYPE	NONE	3-2198346-1
119.25	EMI GASKET AIRFLOW ENHANCE TYPE	NONE	3-2198346-0
116.5	EMI SPRINGS	REVERSED OUTER	2-2198346-0
		CENTER/REVERSED OUTER	1-2198346-9
119.25	EMI GASKET	REVERSED OUTER	1-2198346-8
		CENTER/REVERSED OUTER	1-2198346-7
116.5	EMI SRING WITH NICKEL PLATING ONLY	OUTER	1-2198346-2
		INNER	1-2198346-1
		INNER/OUTER	1-2198346-0
		NONE	2198346-9
116.5	EMI SPRINGS	OUTER	2198346-8
		INNER	2198346-7
		INNER/OUTER	2198346-6
		NONE	2198346-5
119.25	EMI GASKET	OUTER	2198346-4
		INNER	2198346-3
		INNER/OUTER	2198346-2
		NONE	2198346-1
(E)	CAGE TYPE	LIGHT PIPE CONFIGURATION	PART NUMBER



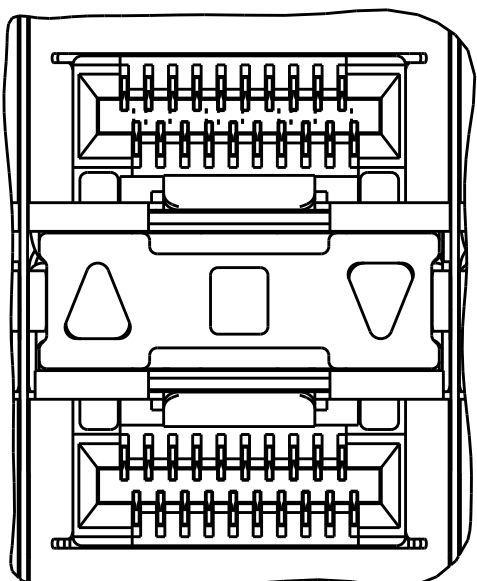
INNER/OUTER LIGHT PIPE
2198346-2, 2198346-6
SCALE 4:1



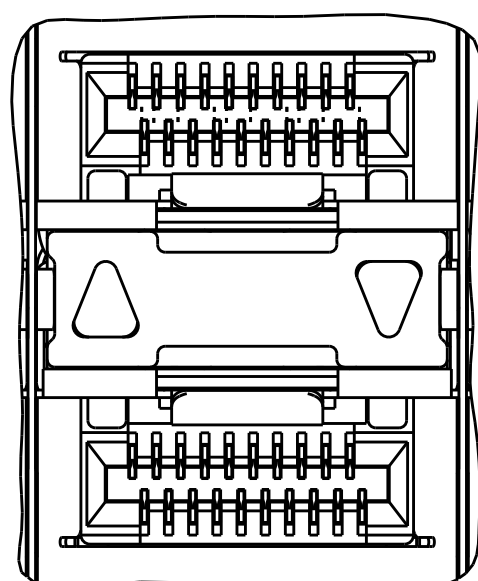
INNER LIGHT PIPE
2198346-3, 2198346-7
4-2198346-0
SCALE 4:1



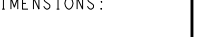
OUTER LIGHT PIPES
2198346-4, 2198346-8
SCALE 4:1



CENTER/REVERSED OUTER LIGHT PIPES
1-2198346-7, 1-2198346-9
SCALE 4:1

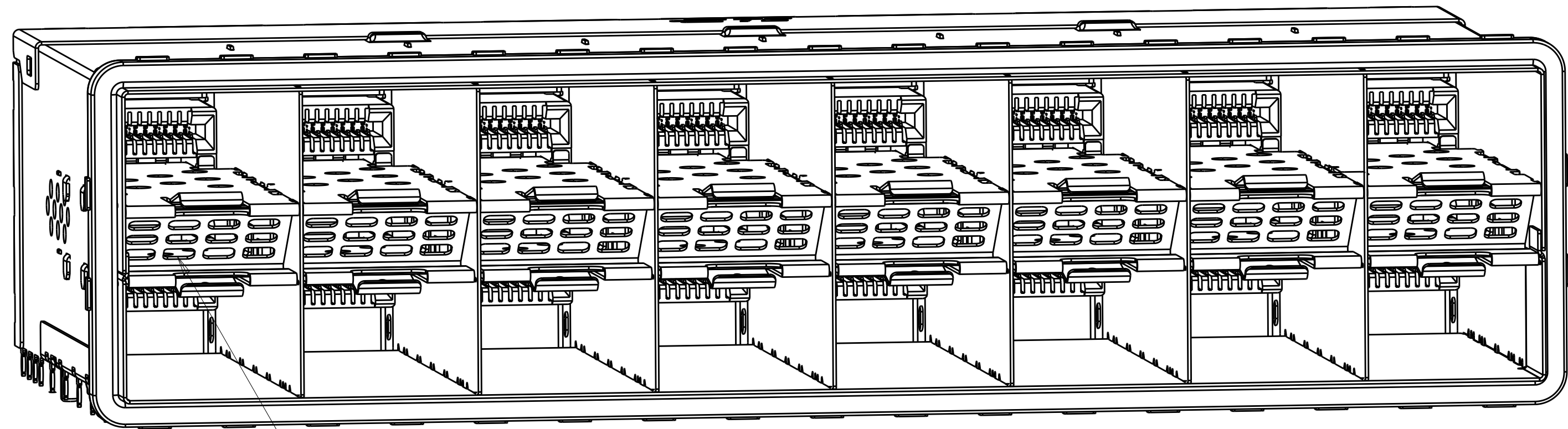


REVERSED OUTER LIGHT PIPES
1-2198346-8, 2-2198346-0
SCALE 4:1

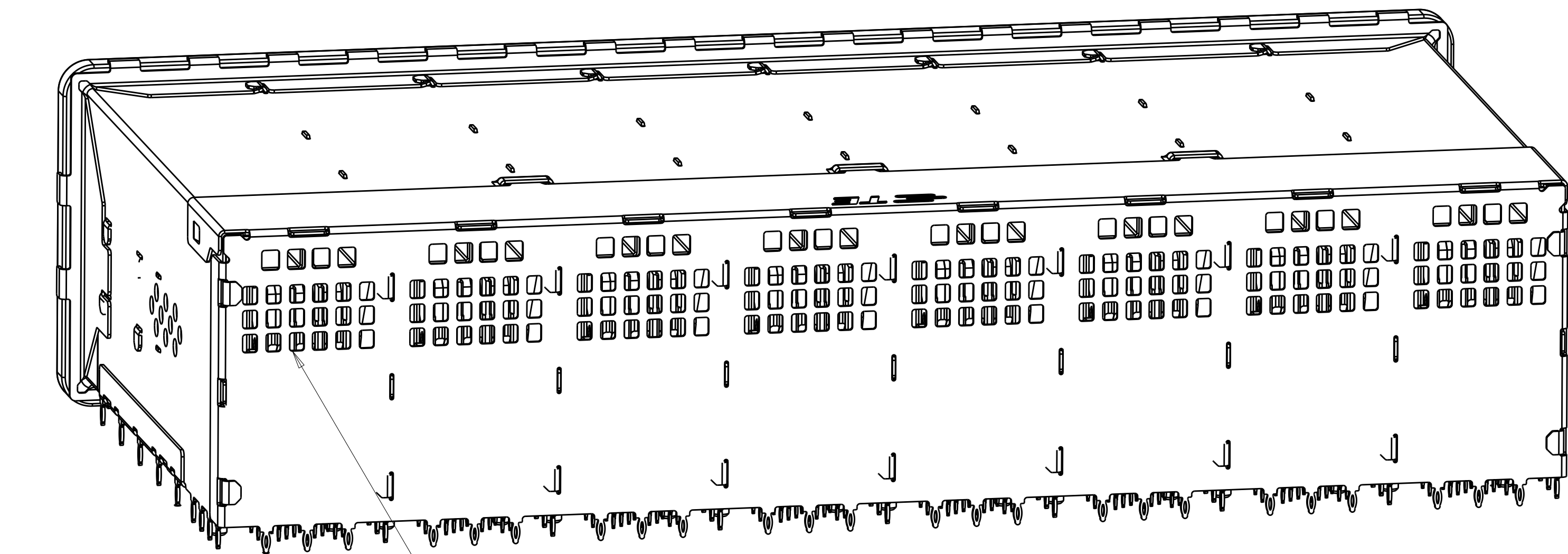
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 09DEC2011 M.E. CONWHER CHK 13DEC2011 M.D. MORRISON APVD 13DEC2011 M.D. MORRISON		 TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.20 1 PLC ±0.20 2 PLC ±0.15 3 PLC ±0.10 4 PLC ±. ANGLES ±. FINISH		NAME	
mm				RECEPTACLE ASSEMBLY, 2X8, STACKED, zSPF+	
				PRODUCT SPEC 108-2481	
MATERIAL SEE NOTES				APPLICATION SPEC 114-13319	
		WEIGHT		SIZE CAGE CODE DRAWING NO	
		Customer Drawing		A100779C=2198346	
				RESTRICTED TO	
				-	
				SCALE 3:1 SHEET 1 OF 7 REV C	

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

AIRFLOW ENHANCE TYPE



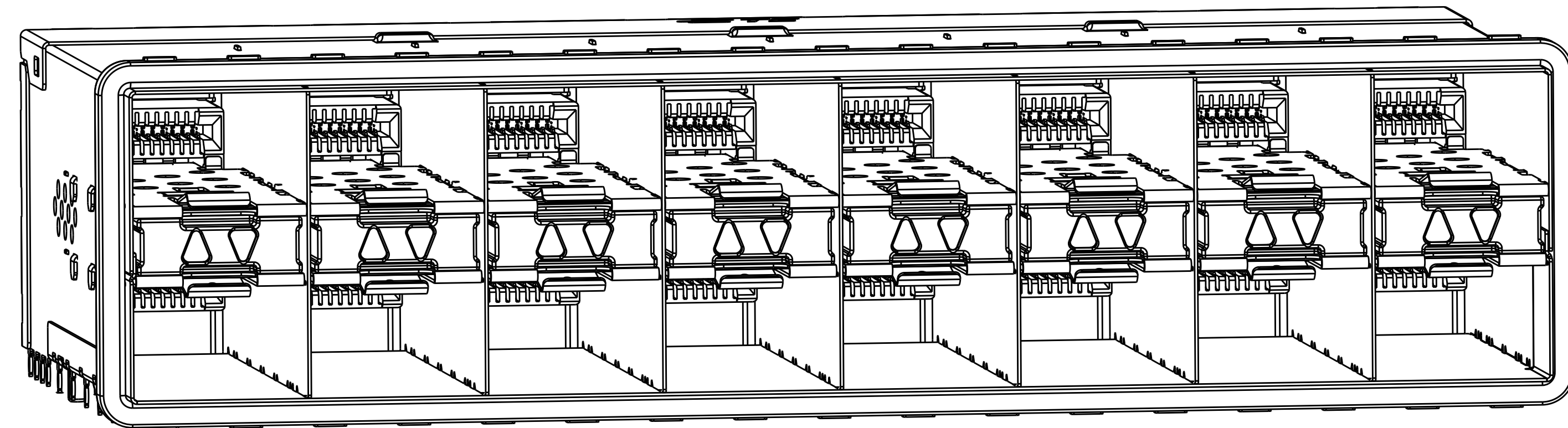
AIR VENTS



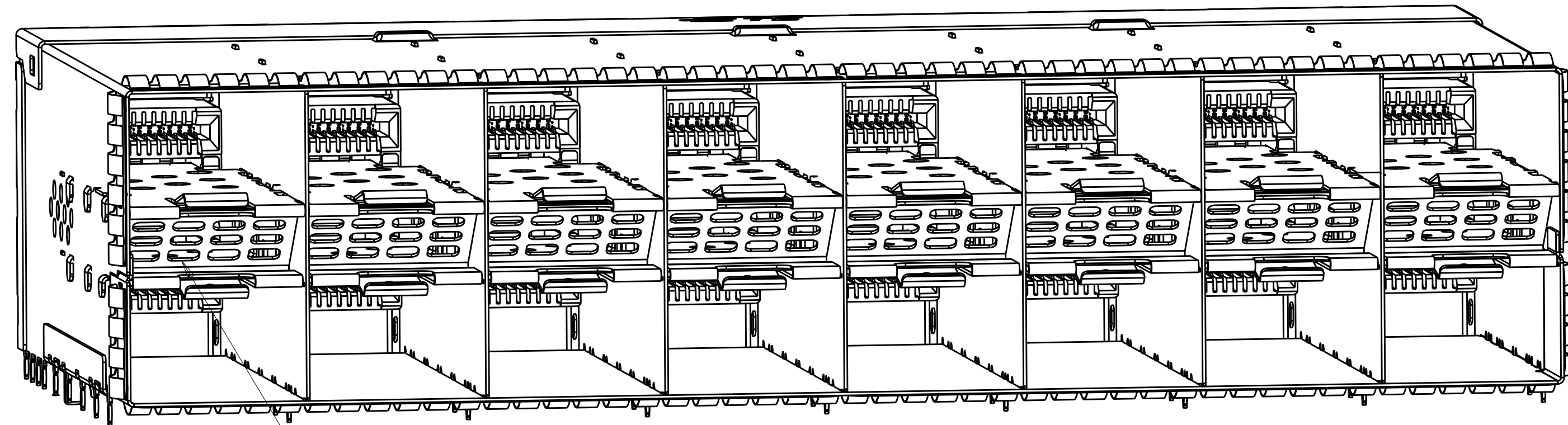
AIR VENTS

3-2198346-0
EMI GASKET TYPE

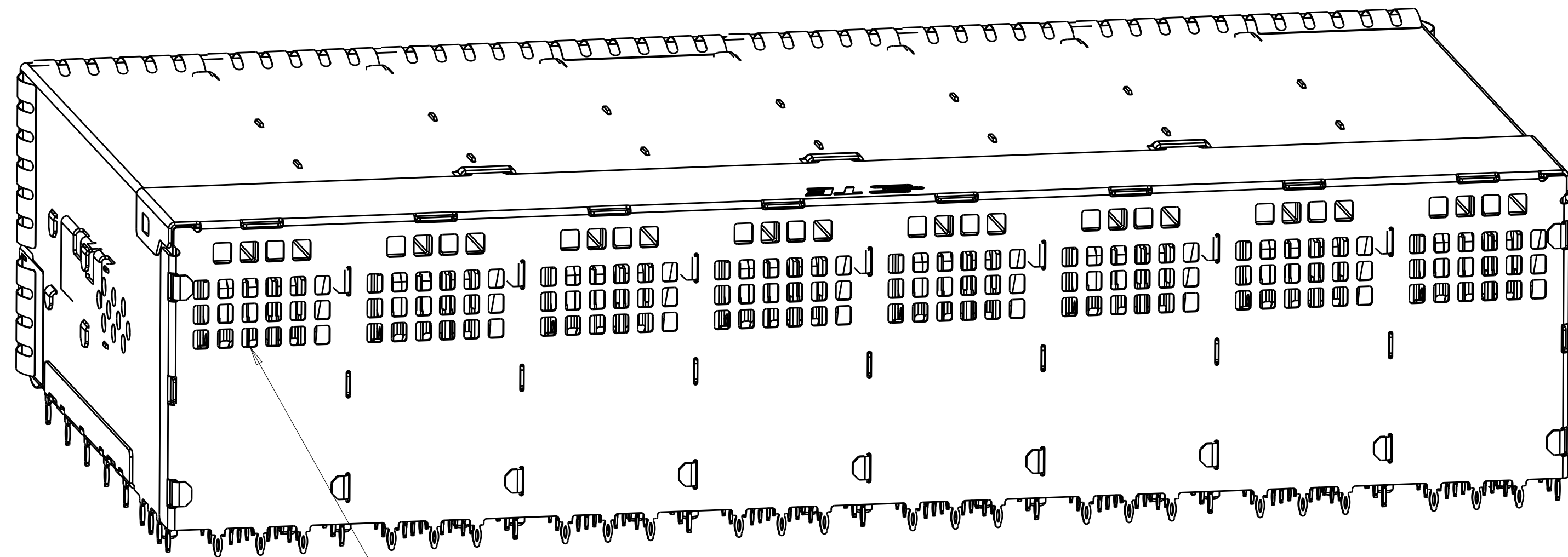
EMI GASKET TYPE
WITH LOW PROFILE FLANGE



3-2198346-2

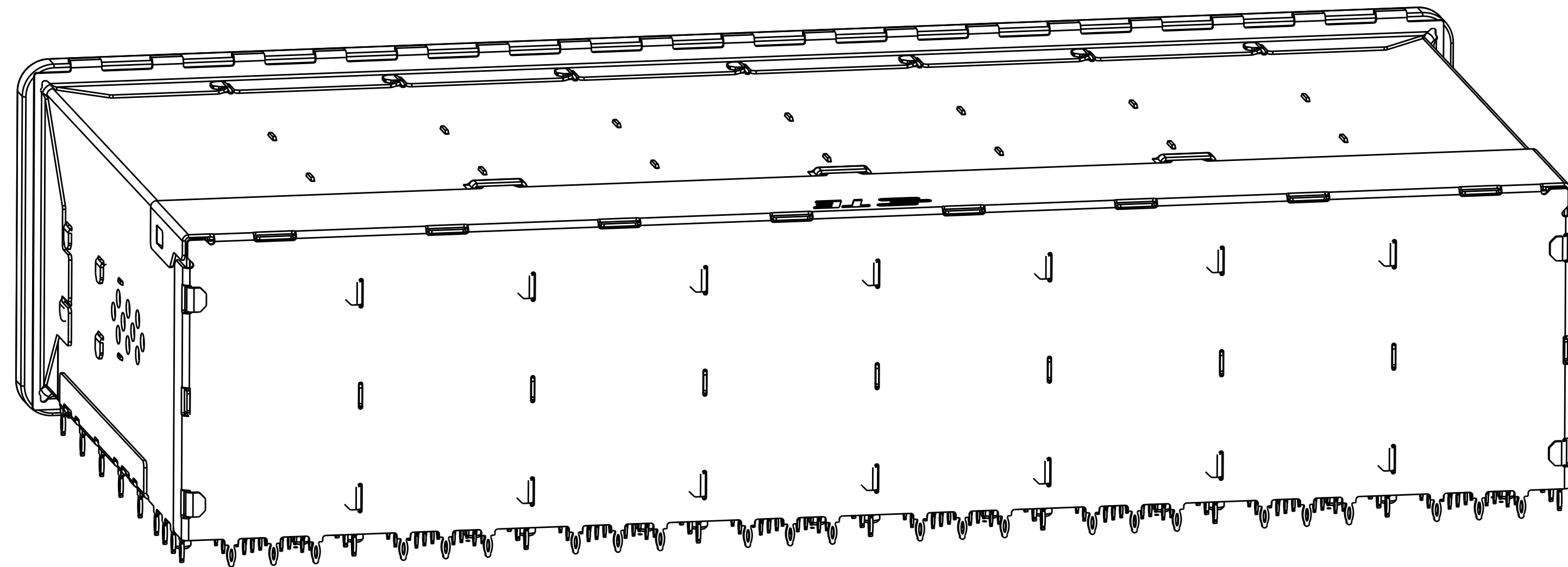


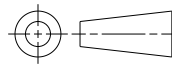
AIR VENTS



AIR VENTS

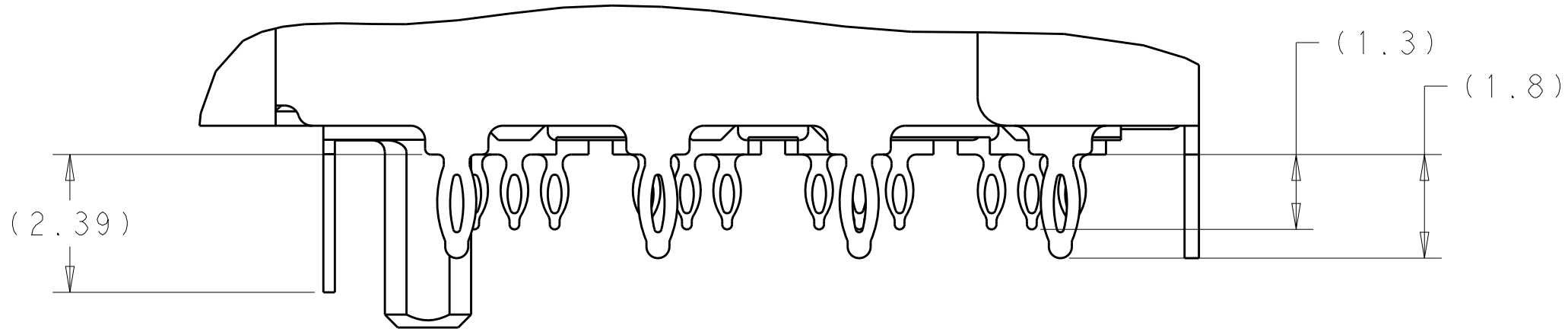
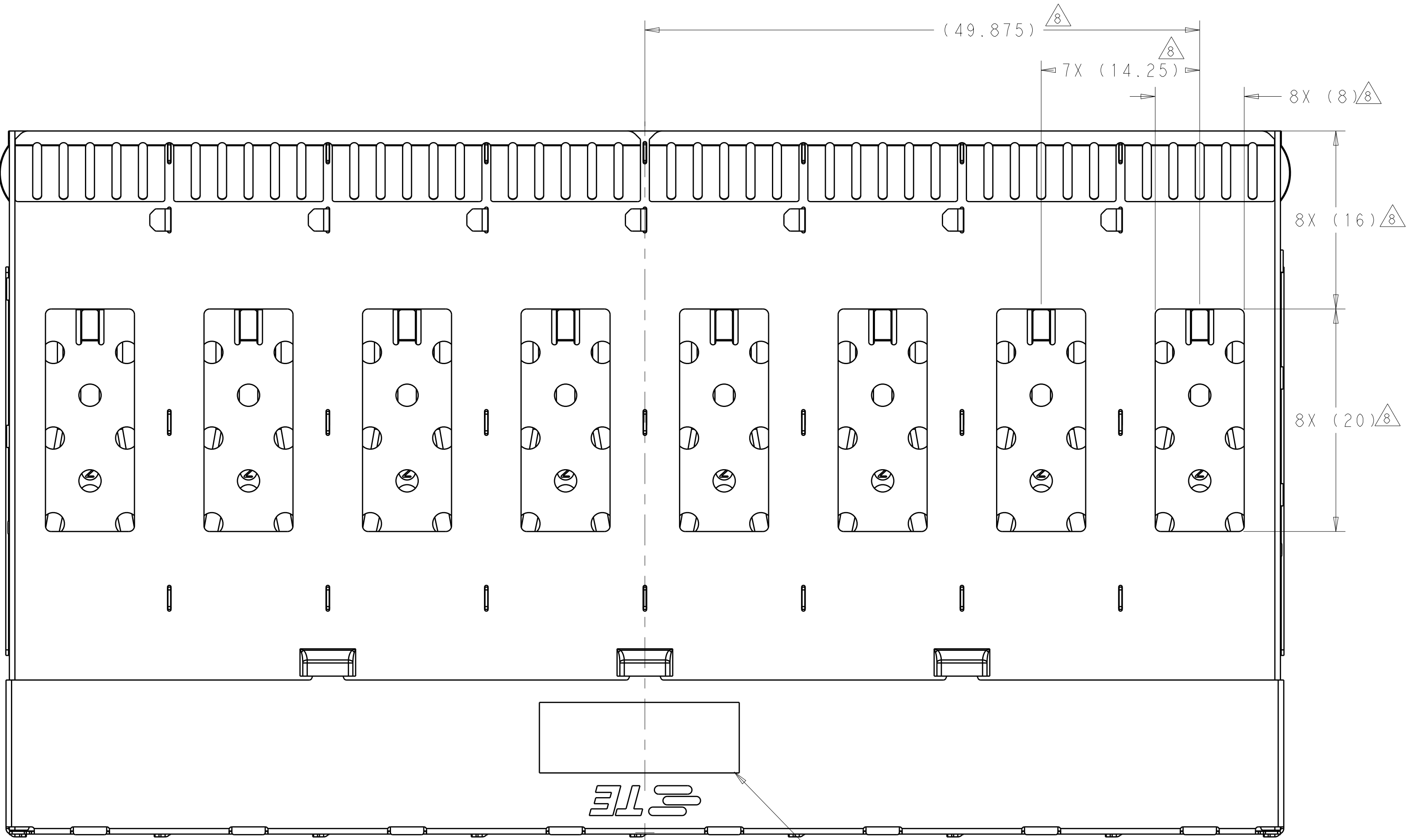
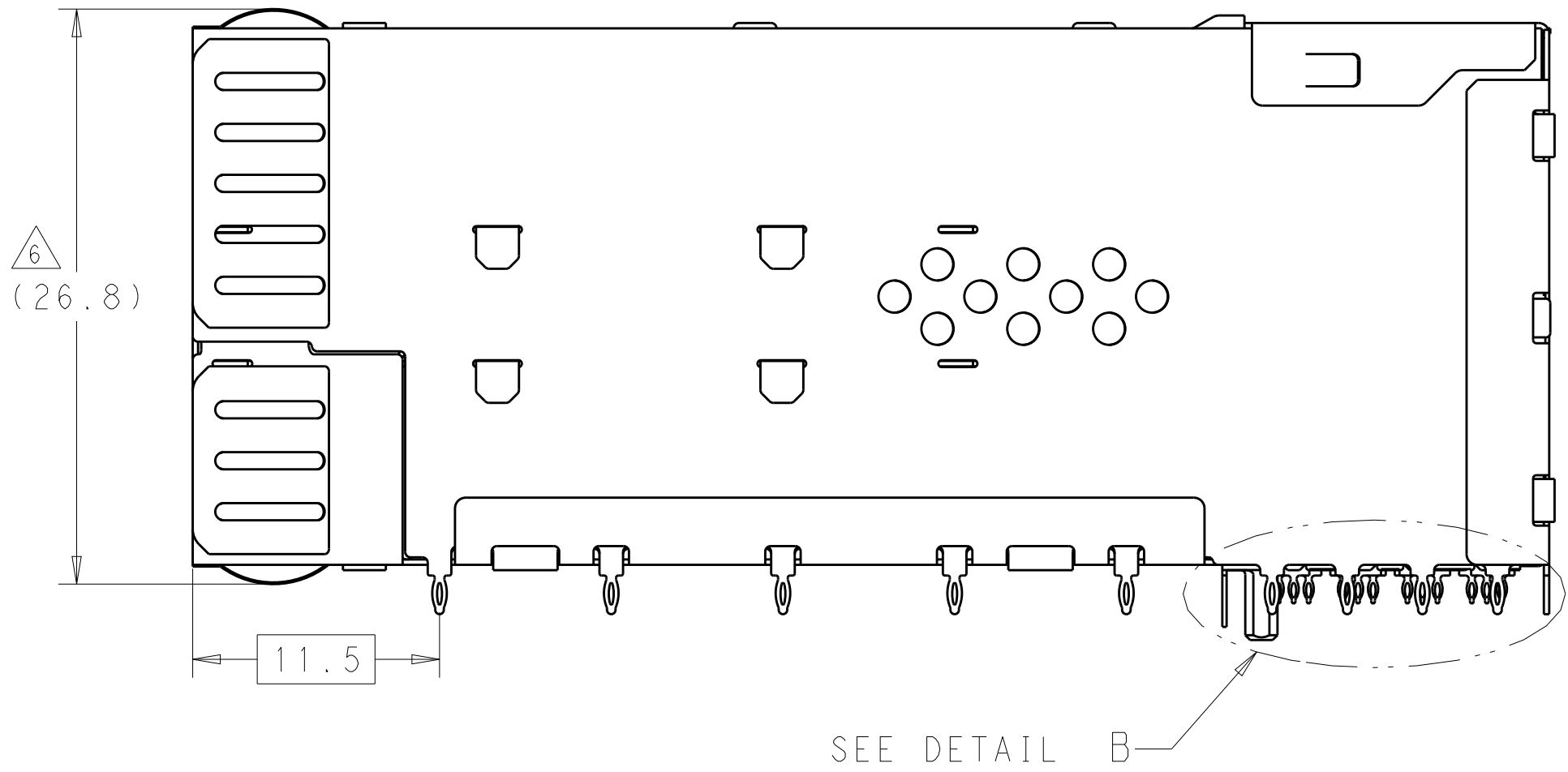
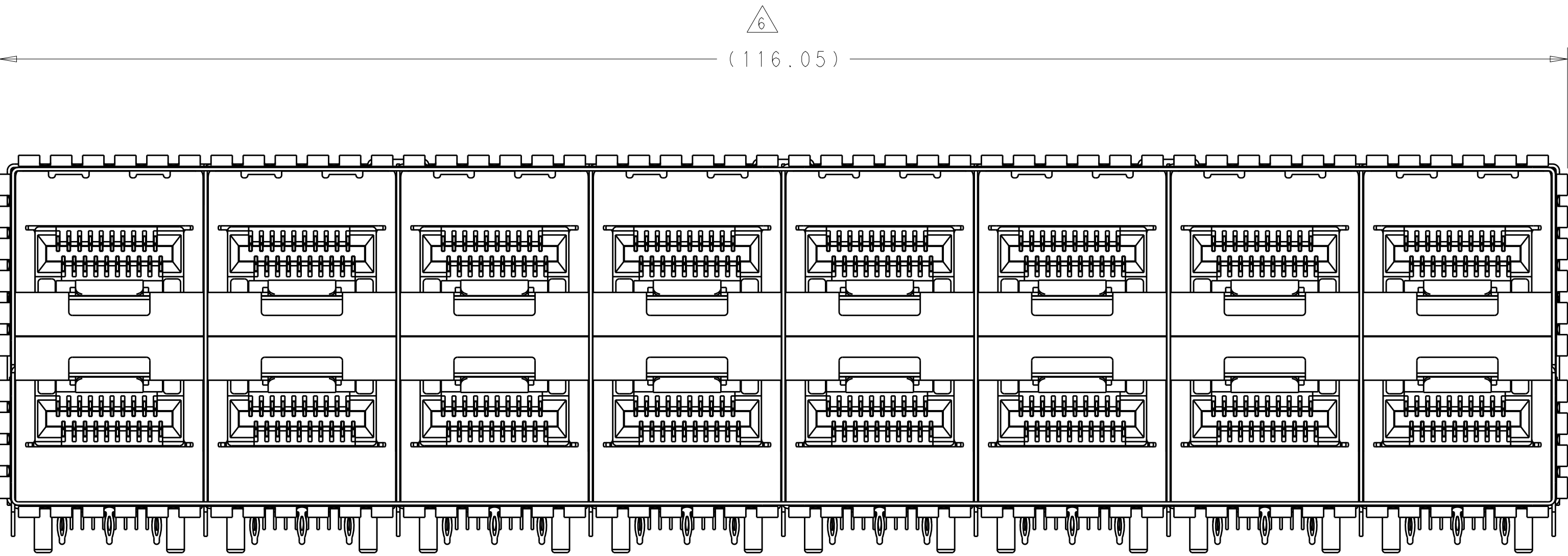
3-2198346-1
EMI SPRING TYPE



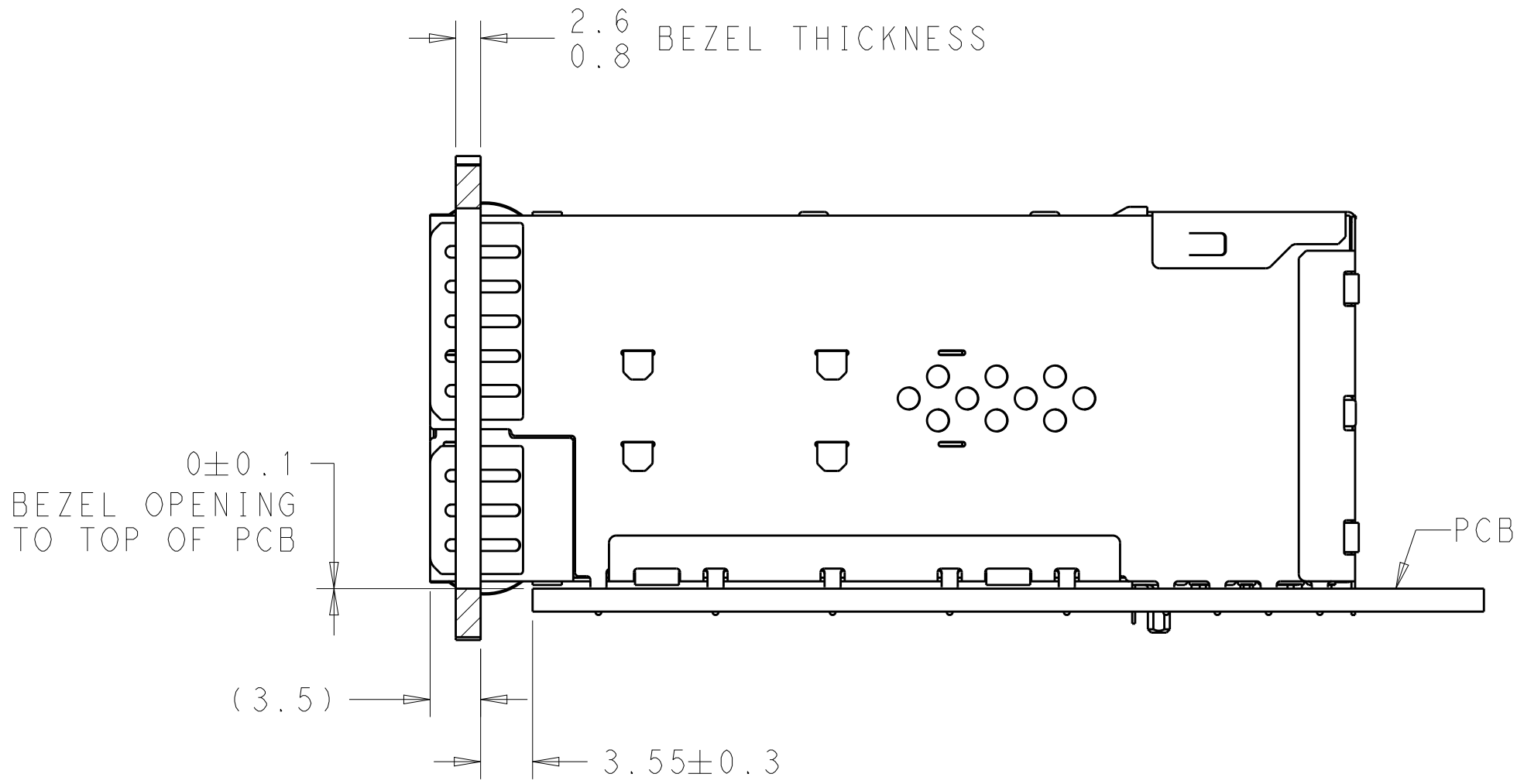
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONNER 09DEC2011	 TE Connectivity	
DIMENSIONS:		CHK M.D. MORRISON 13DEC2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.D. MORRISON 13DEC2011	NAME RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+	
	0 PLC ±.20	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
	1 PLC ±0.15	108-2481	A100779C=2198346	
MATERIAL	2 PLC ±0.10	APPLICATION SPEC	RESTRICTED TO	
	3 PLC ±.10	114-13319	Customer Drawing	
SEE NOTES	SEE NOTES	WEIGHT	SCALE 3:1 SHEET 2 OF 7 REV C	

2198346-5 THRU 1-2198346-2, 1-2198346-9, 2-2198346-0,4-2198346-0
EMI SPRINGS ONLY

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

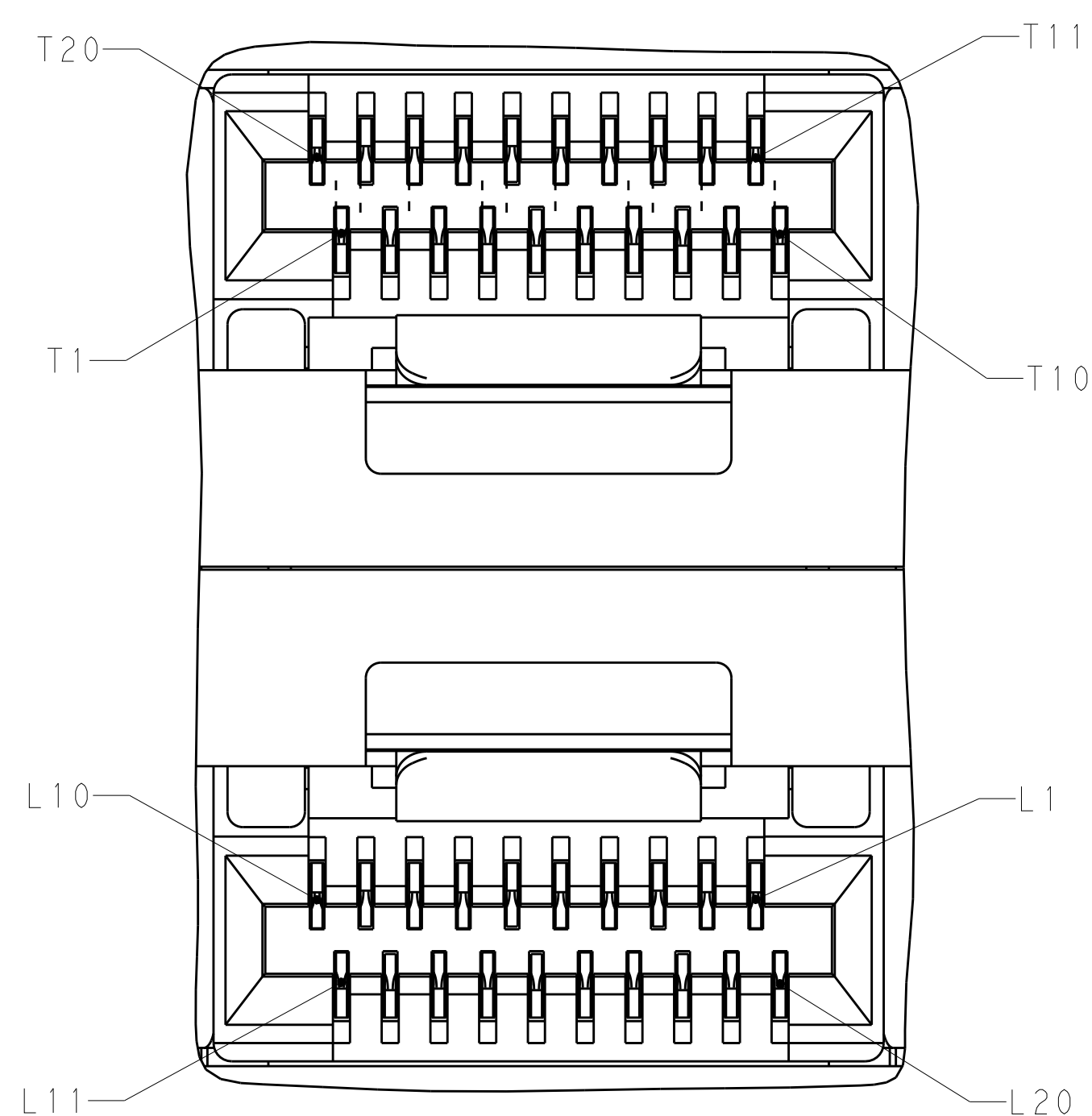
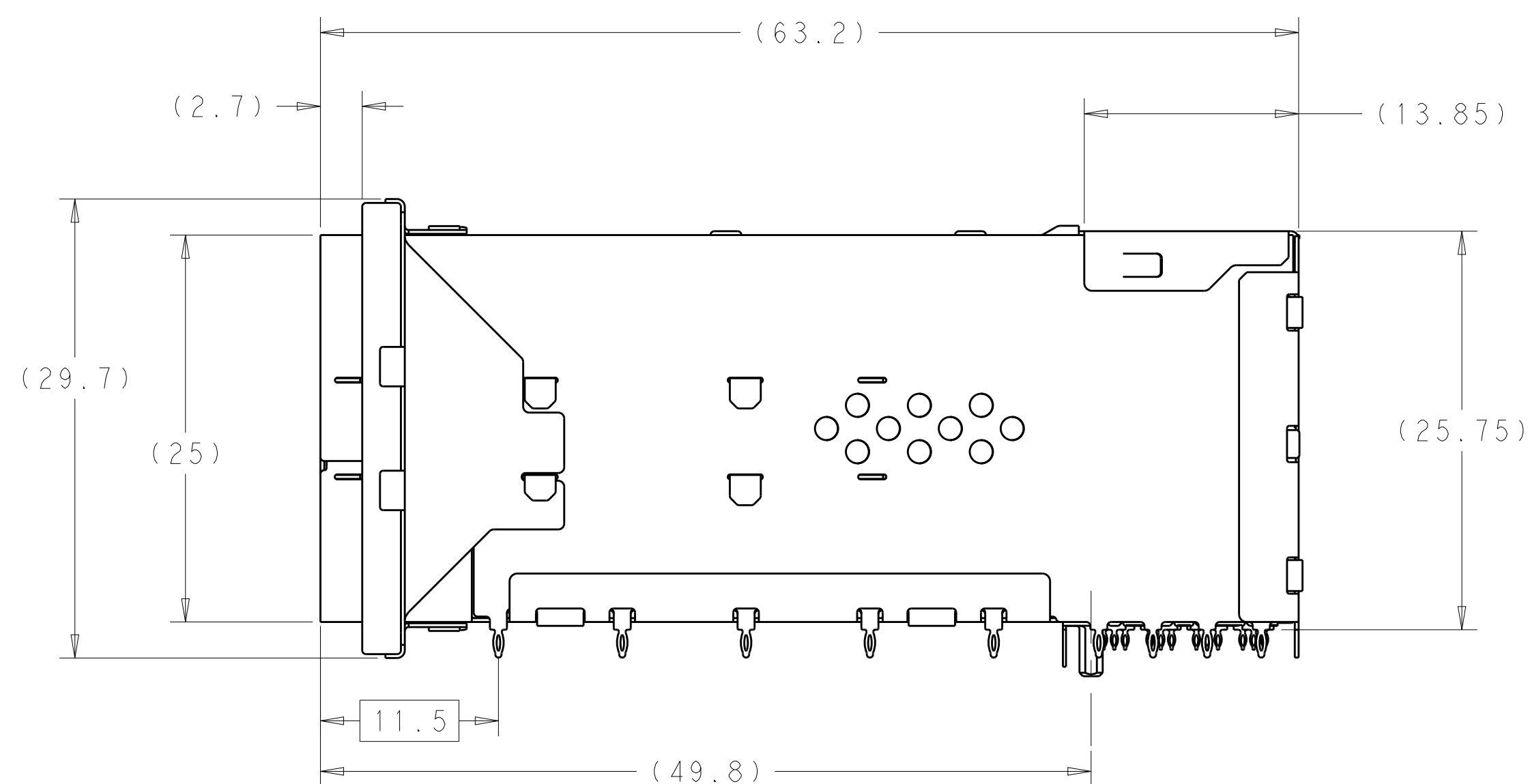


DETAIL B
SCALE 10:1



RECOMMENDED BEZEL LOCATION WITH EMI SPRINGS
SCALE 5:2

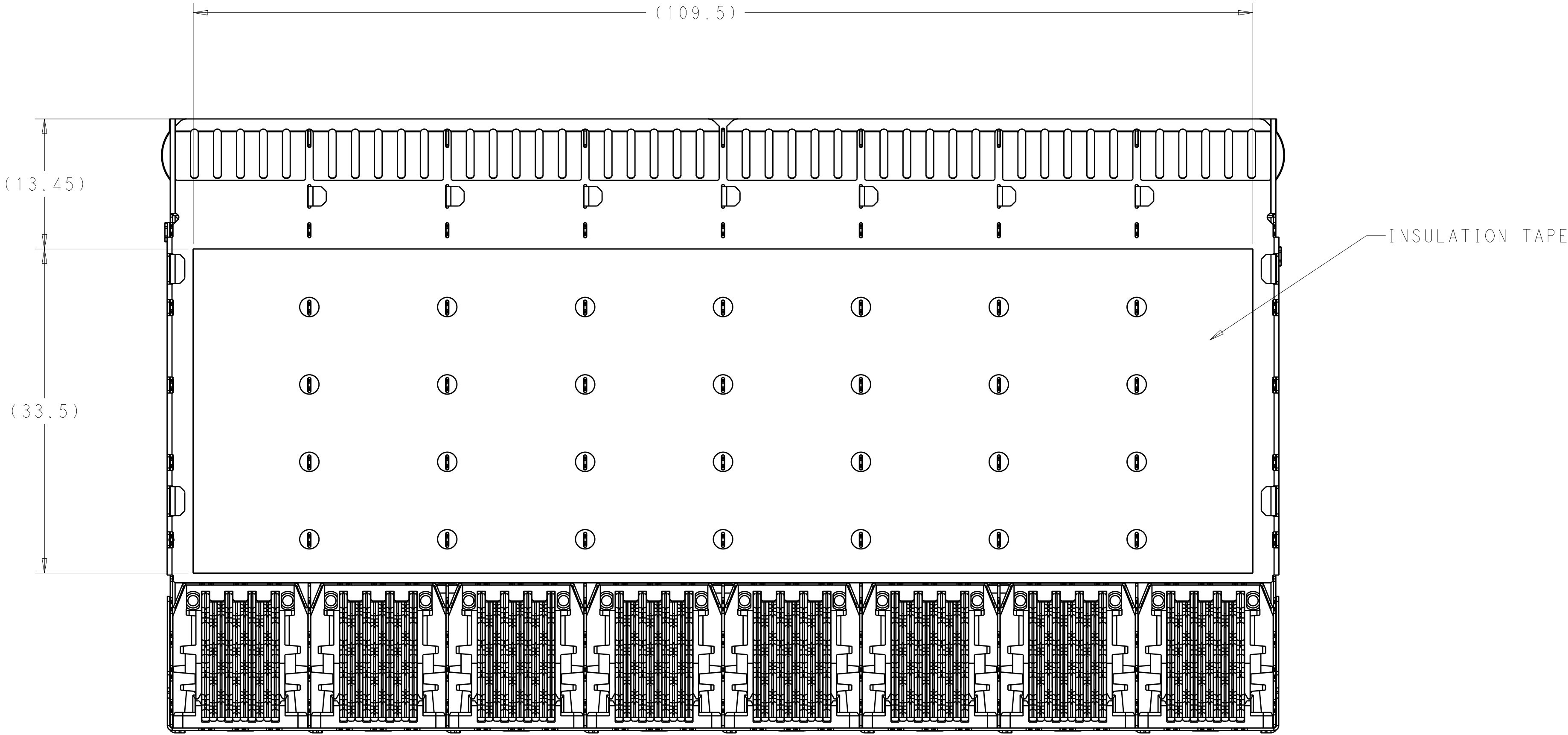
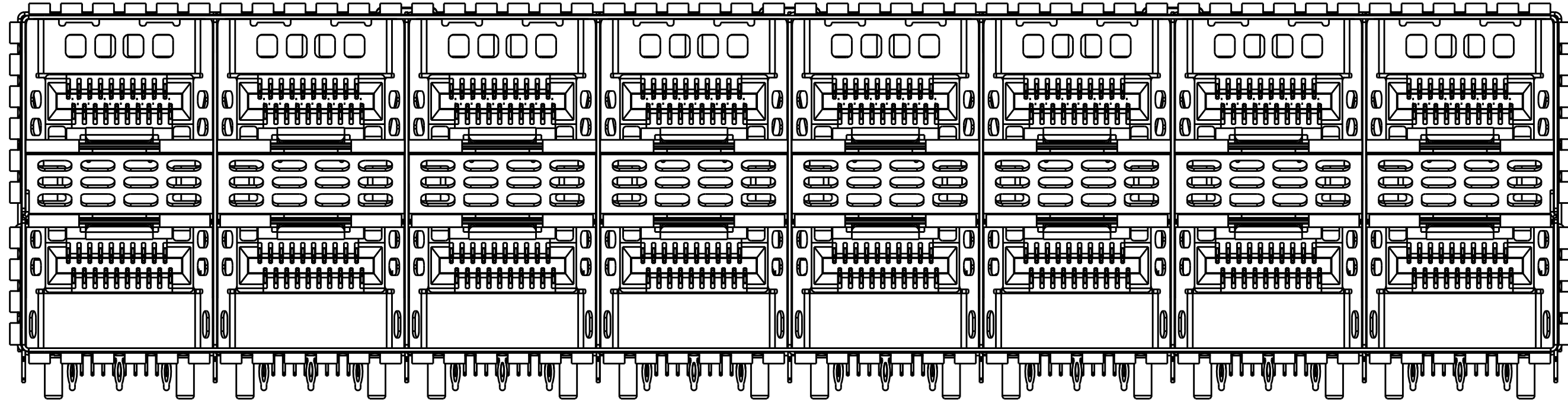
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONWHER 13DEC2011	TE Connectivity	
DIMENSIONS:		CHK M.D. MORRISON 13DEC2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.D. MORRISON	NAME RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+	
	0 PLC	±	PRODUCT SPEC	
	1 PLC	±0.20	108-2481	
	2 PLC	±0.15	APPLICATION SPEC	
	3 PLC	±0.10	114-13319	
MATERIAL		FINISH	WEIGHT	
SEE NOTES		SEE NOTES	Customer Drawing	
		SIZE	CAGE CODE	DRAWING NO
		A1	00779	C=2198346
		SCALE	3:1	SHEET 3 OF 7
		REV	C	



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DIMENSIONS: mm 		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 PLC ±.0 1 PLC ±0.20 2 PLC ±0.15 3 PLC ±0.10 4 PLC ANGLES ±.1		NAME RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+ -	
MATERIAL SEE NOTES		FINISH SEE NOTES		PRODUCT SPEC 108-2481 APPLICATION SPEC 114-13319 WEIGHT -	
Customer Drawing		SIZE CAGE CODE DRAWING NO A100779C2198346		RESTRICTED TO -	
		SCALE 3:1		SHEET 4 OF 7 REV C	

3-2198346-3
UNMARKED DIMENSIONS SAME AS 3-2198346-1

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	OWN
		-		SEE SHEET 1	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

M.E. CONNER

09DEC2011

CHK

M.D. MORRISON

13DEC2011

APVD

M.D. MORRISON

13DEC2011

TE Connectivity

NAME

RECEPTACLE ASSEMBLY, 2X8,
STACKED, zSFP+

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

108-2481

114-13319

A100779

C=2198346

-

-

Customer Drawing

SCALE

3:1

SHEET

5

OF

7

REV

C

DIMENSIONS:

mm

0 PLG

1 PLG

2 PLG

3 PLG

4 PLG

ANGLES

FINISH

±

±25

±25

±25

±

±

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

SEE NOTES

THIS DRAWING IS UNPUBLISHED.

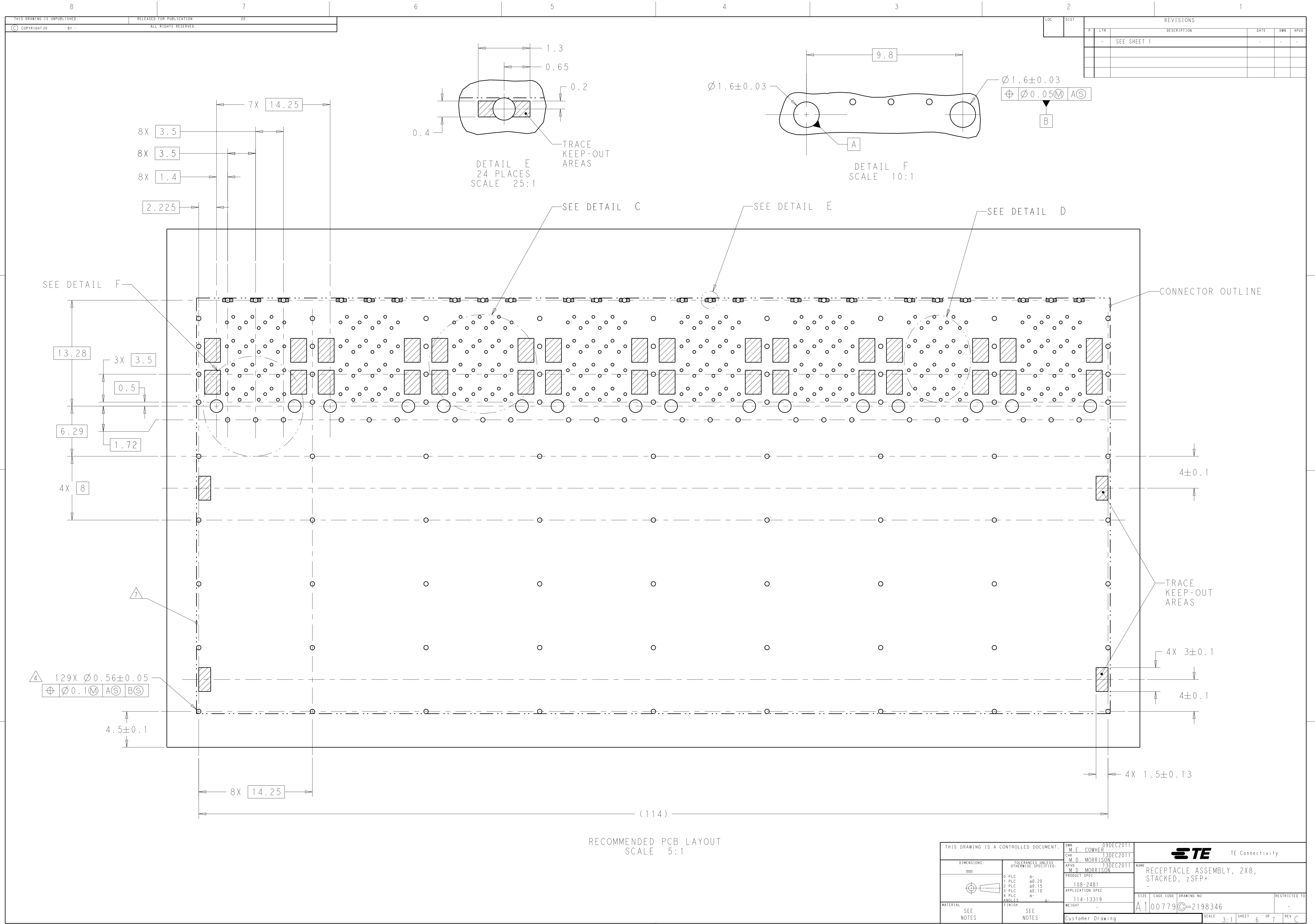
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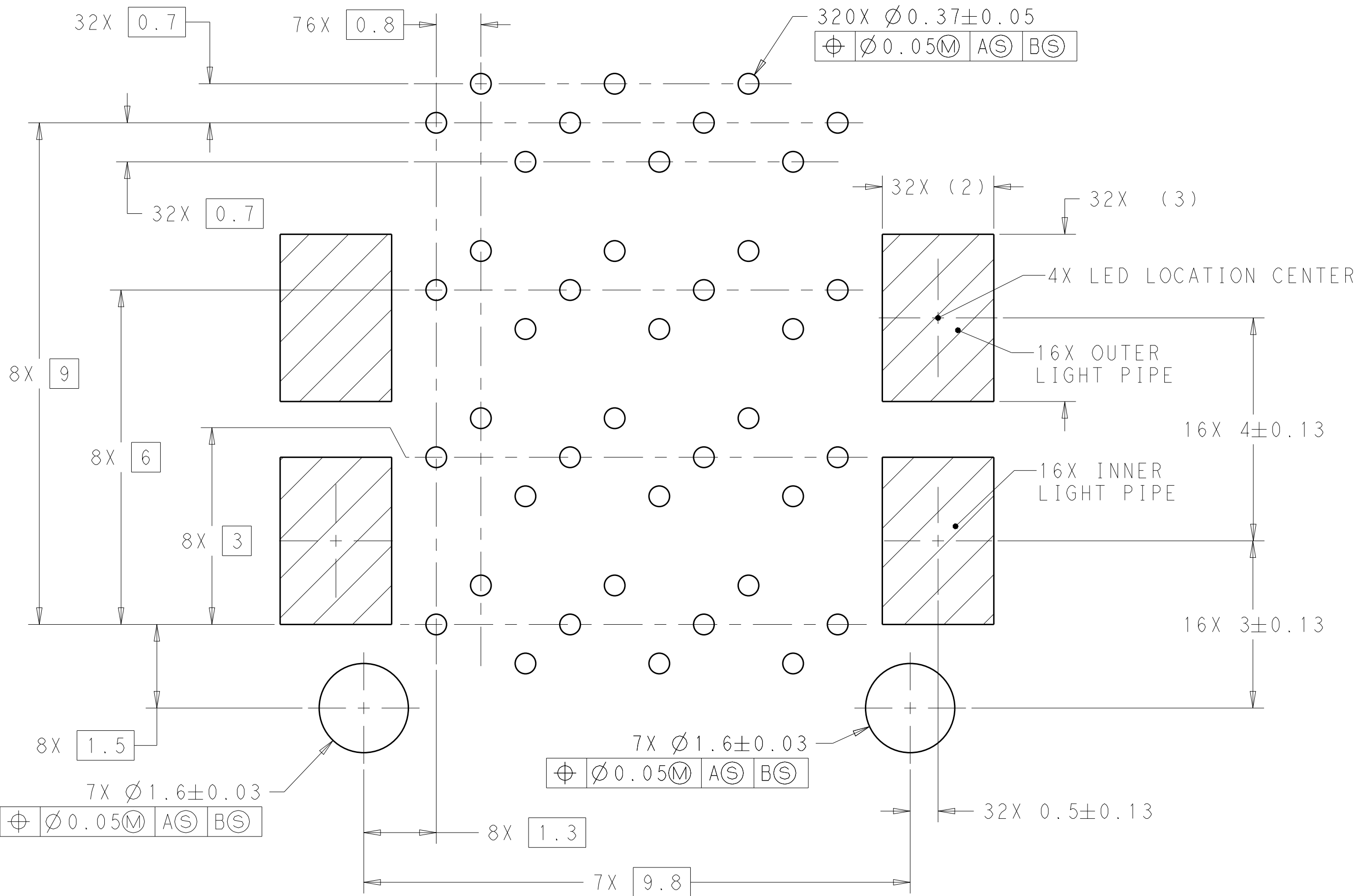
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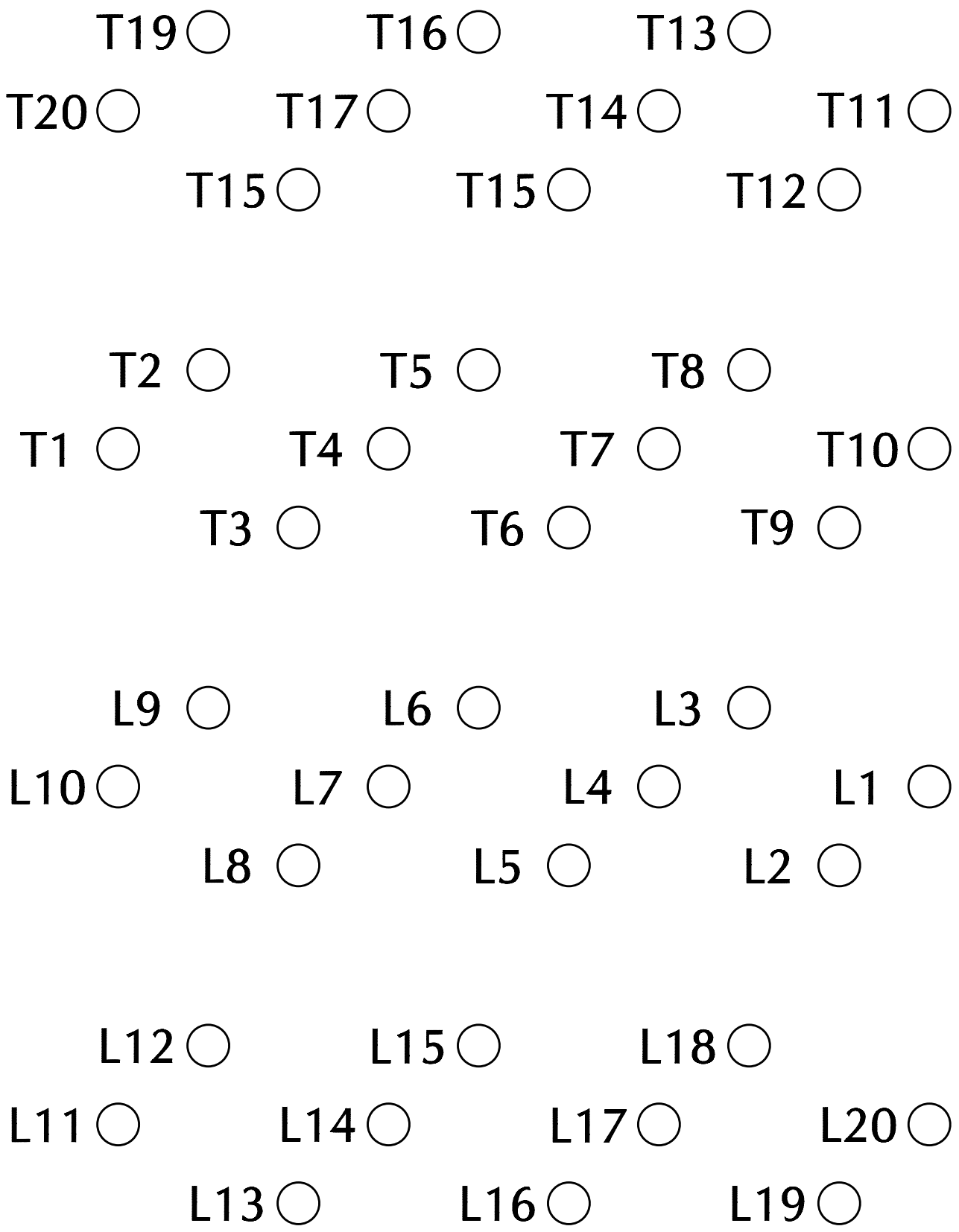
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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-

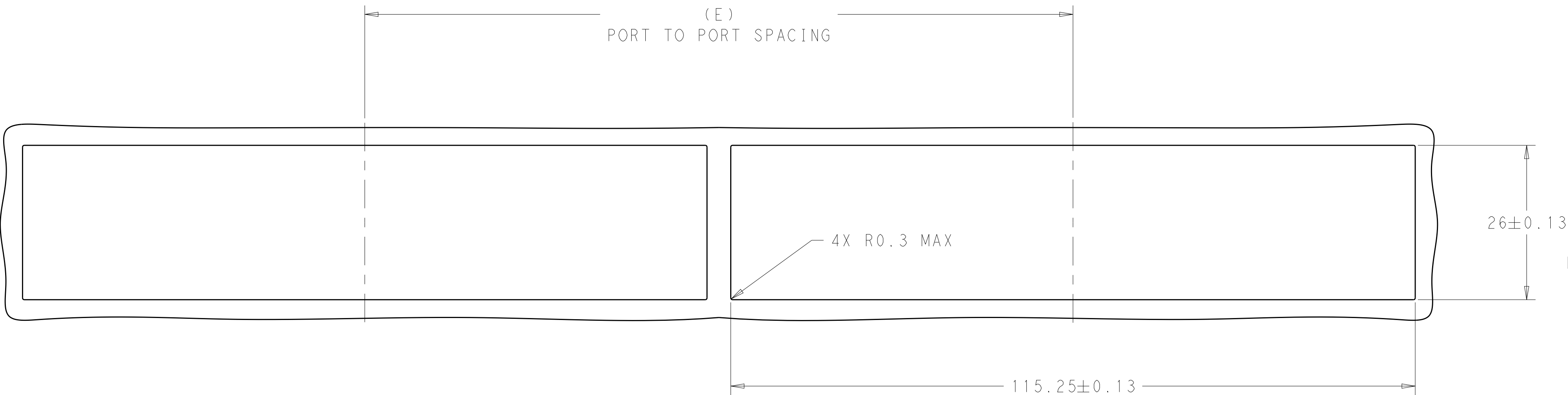


DETAIL C
RECOMMENDED PIN AND LIGHT PIPE LAYOUT
SCALE 15:1

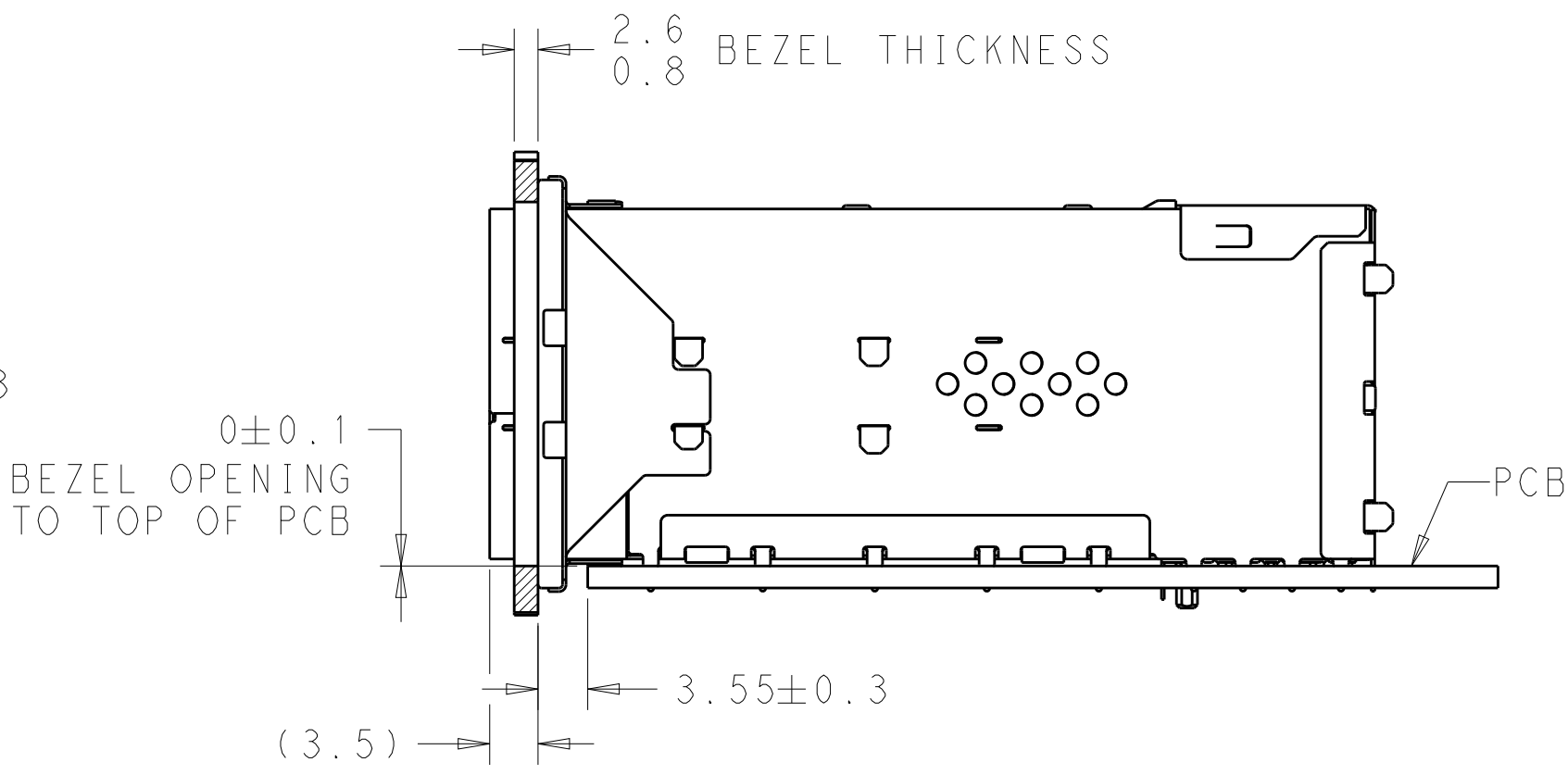


PIN MAP LEGEND	
PIN NUMBER	FUNCTION
L1/T1	VEET
L2/T2	TX-FAULT
L3/T3	TX-DISABLE
L4/T4	SDA
L5/T5	SCL
L6/T6	MOD_ABS
L7/T7	RSO
L8/T8	RX_LOS
L9/T9	RS1
L10/T10	VEER
L11/T11	VEER
L12/T12	RD-
L13/T13	RD+
L14/T14	VEER
L15/T15	VCCR
L16/T16	VCCT
L17/T17	VEET
L18/T18	TD+
L19/T19	TD-
L20/T20	VEET

DETAIL D
PIN MAP
8X PLACES
SCALE 20:1



RECOMMENDED BEZEL CUT-OUT DETAIL
SCALE 2:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET
SCALE 2:1

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DIMENSIONS:		CHK M.D. MORRISON 13DEC2011								
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.D. MORRISON 13DEC2011	NAME	RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+						
	0 PLC	±	PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO			
	1 PLC	±0.20	108-2481							
	2 PLC	±0.15	APPLICATION SPEC							
	3 PLC	±0.10	114-13319							
MATERIAL		WEIGHT	A100779C2198346							
SEE NOTES		SEE NOTES	Customer Drawing							
			SCALE	3:1	SHEET	7	OF	7	REV	C

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