

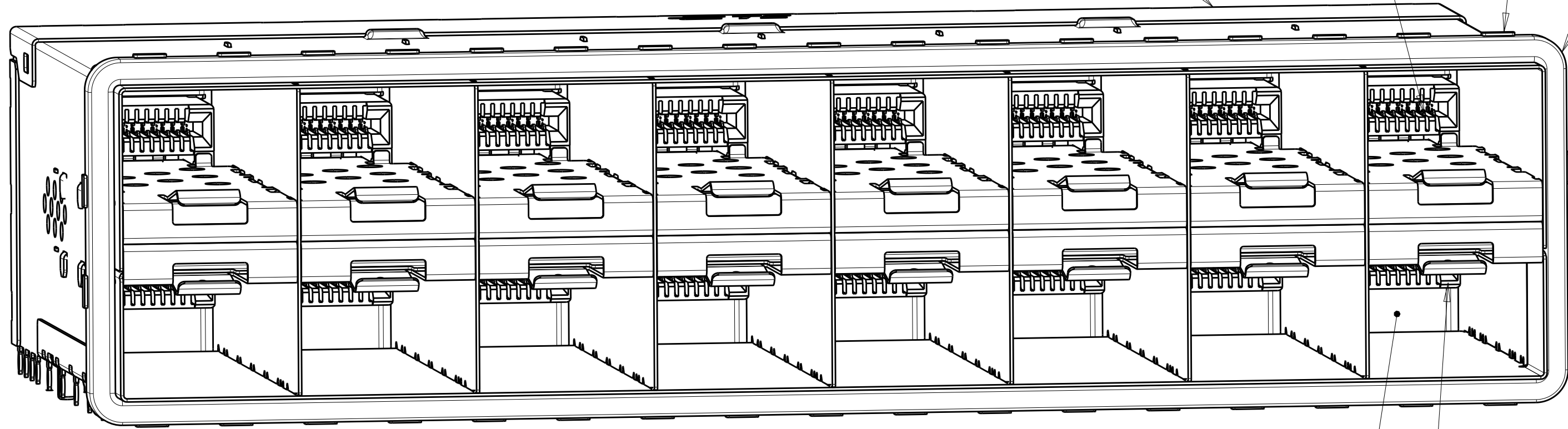
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			C	REVISED PER ECO-20-014521	130CT2020	JY	SH

CONTACT CHICKLET ALIGNMENT CLIP

GASKET FLANGE

EMI GASKET

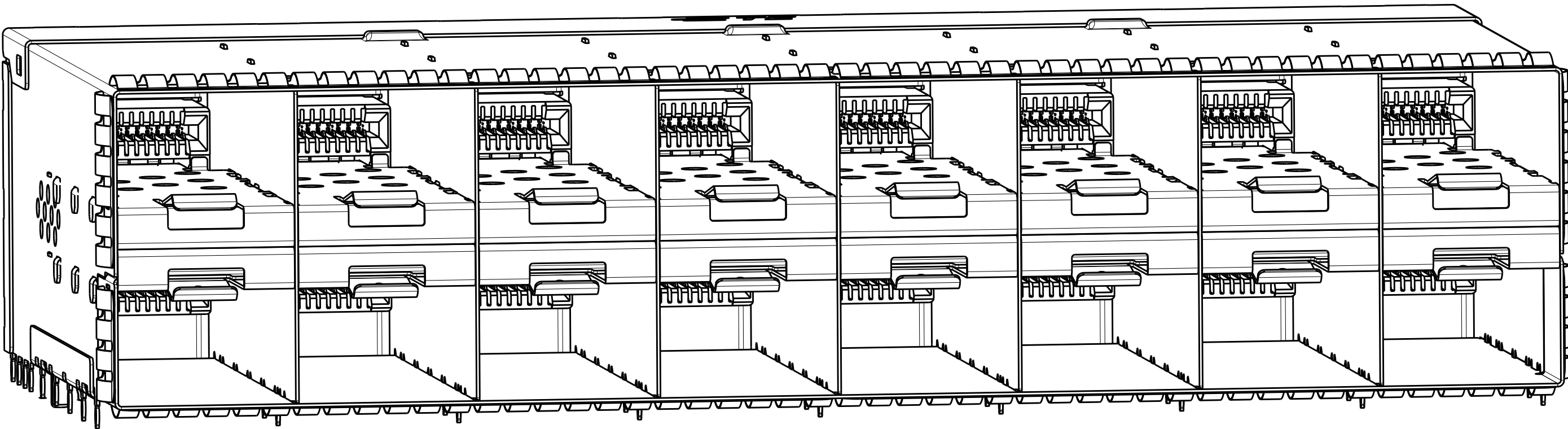
CAGE ASSEMBLY



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

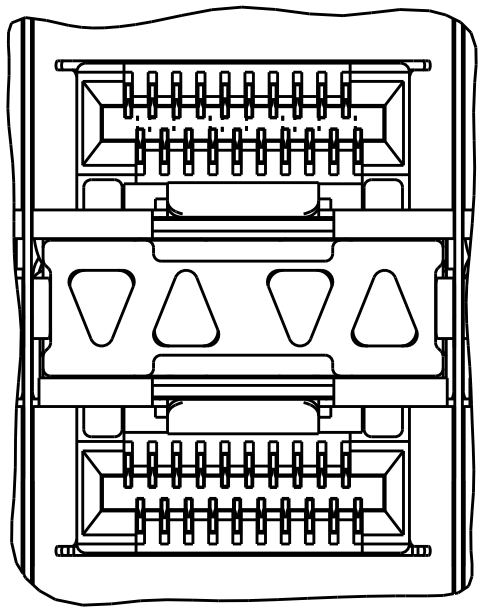
△5 LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW PROFILE LED PACKAGE WITH A HEIGHT OF 0.8mm

△6 DIMENSIONS APPLY FOR EMI SPRINGS ONLY

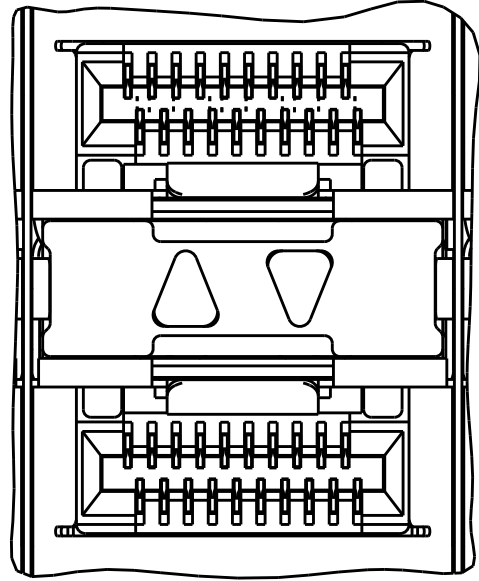
△7 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT, INDICATED BY THE DASHED LINE, TO BE CONSIDERED THE KEEPOUT AREA FOR COMPONENTS AND SIGNAL TRACES, TOP SIDE ONLY, TOP SIDE TRACES ALLOWED WITHIN CONNECTOR HOLE PATTERN

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

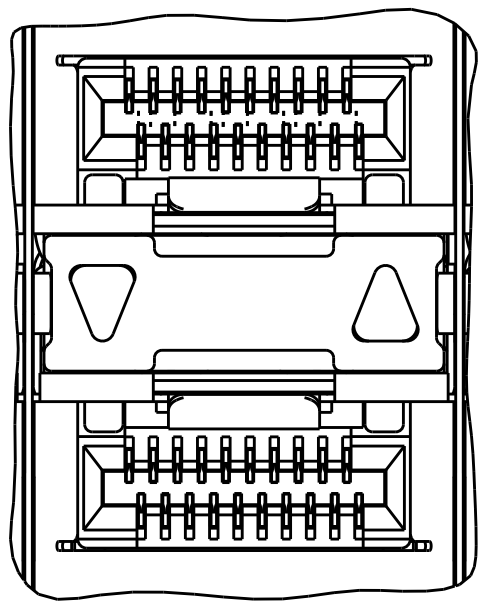
116.5	THERMAL HOLE TOP SURFACE	INNER	4-2198346-0
116.5	EMI SPRINGS,TAPE AIRFLOW ENHANCE TYPE	NONE	3-2198346-3
119.25	EMI GASKET LOW PROFILE FLANGE	INNER	3-2198346-2
116.5	EMI SPRINGS AIRFLOW ENHANCE TYPE	NONE	3-2198346-1
119.25	EMI GASKET AIRFLOW ENHANCE TYPE	NONE	3-2198346-0
116.5	EMI SPRINGS	REVERSED 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



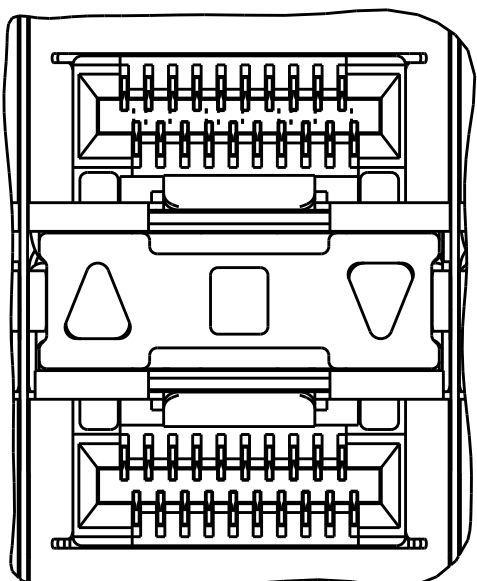
INNER/OUTER LIGHT PIPE
2198346-2, 2198346-6
SCALE 4:1



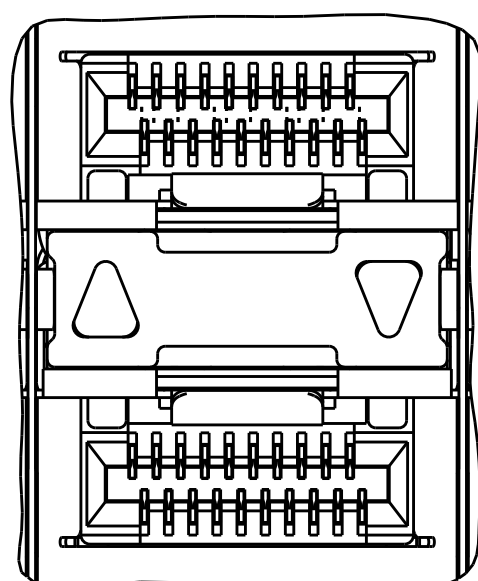
INNER LIGHT PIPE
2198346-3, 2198346-7
4-2198346-0
SCALE 4:1



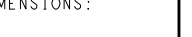
OUTER LIGHT PIPES
2198346-4, 2198346-8
SCALE 4:1



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

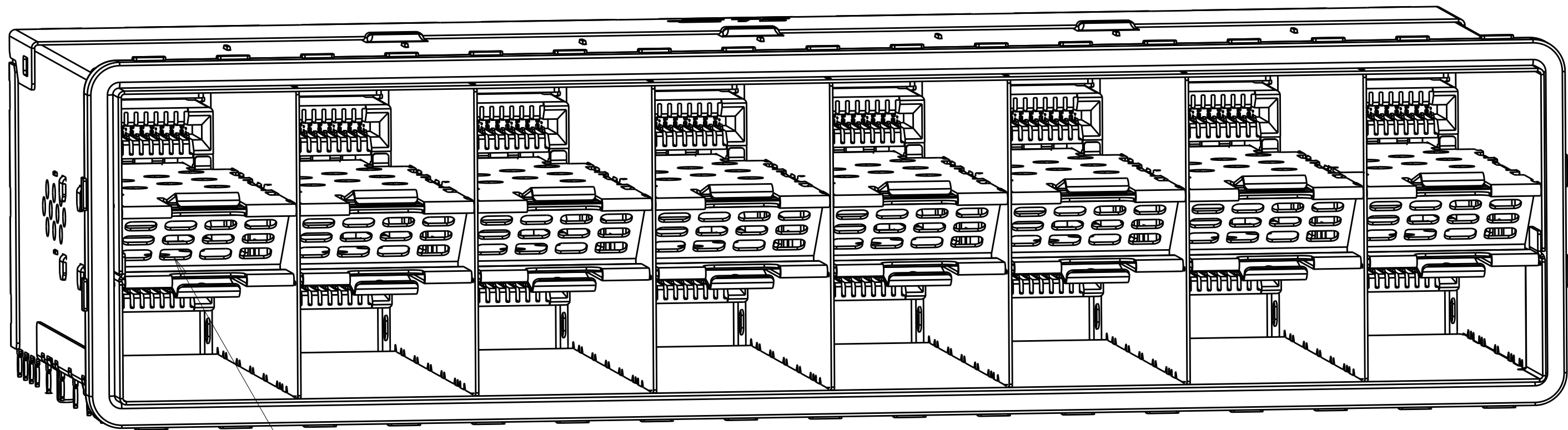


REVERSED OUTER LIGHT PIPES
1-2198346-8, 2-2198346-0
SCALE 4:1

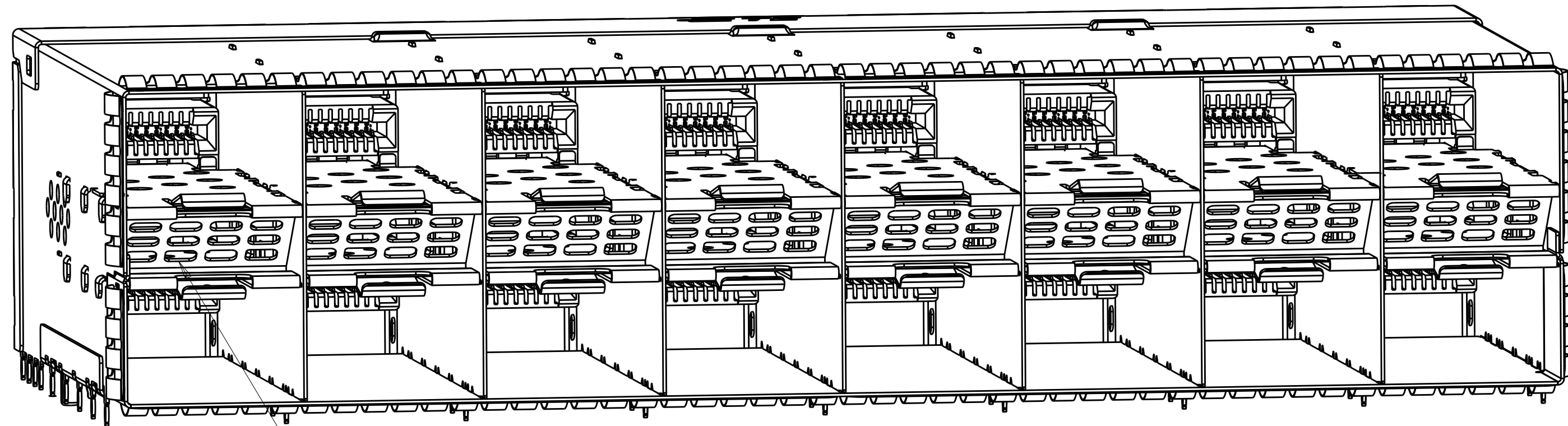
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 09DEC2011 M.E. CONWHER CHK 13DEC2011 M.D. MORRISON APVD 13DEC2011 M.D. MORRISON	 TE Connectivity	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME	
mm			RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+	
		0 PLC ±.0	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO
		1 PLC ±0.20		
		2 PLC ±0.15		
		3 PLC ±0.10		
		4 PLC ±.0		
ANGLES ± ±		108-2481	RESTRICTED TO	
FINISH		APPLICATION SPEC		
SEE NOTES		114-13319		
MATERIAL		WEIGHT	A1 00779C-2198346	
SEE NOTES		Customer Drawing	SCALE 3:1 SHEET 1 OF 7 REV C	

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

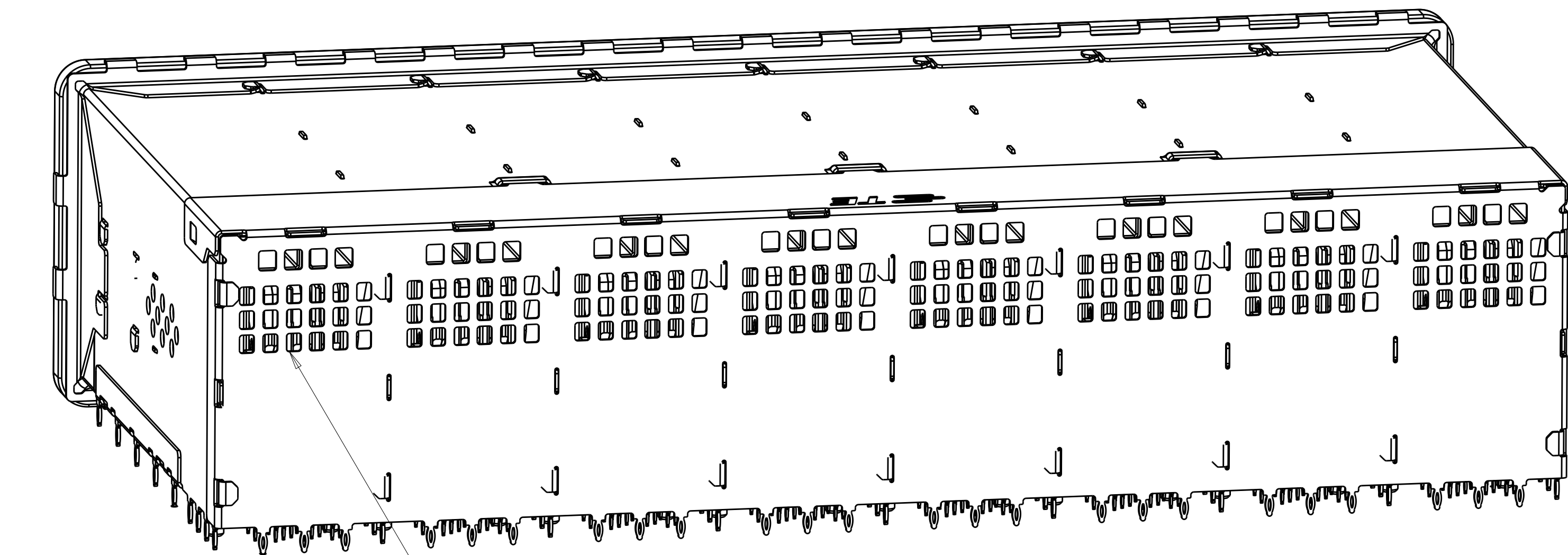
AIRFLOW ENHANCE TYPE



AIR VENTS

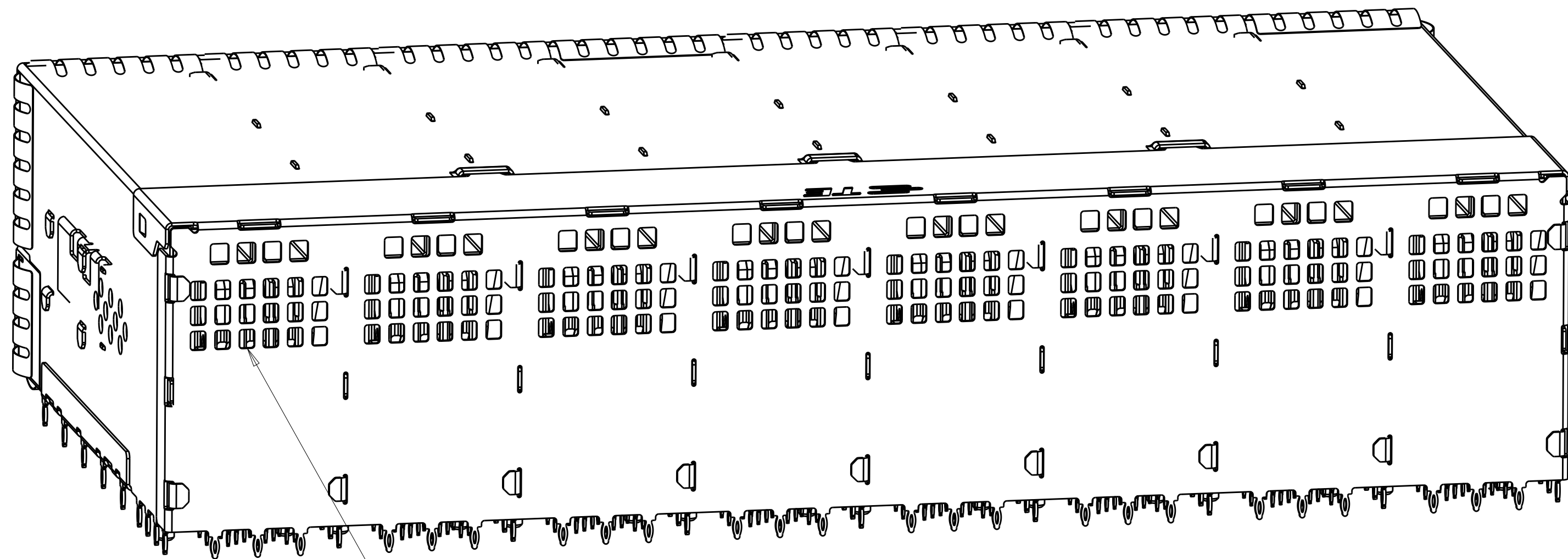


AIR VENTS



AIR VENTS

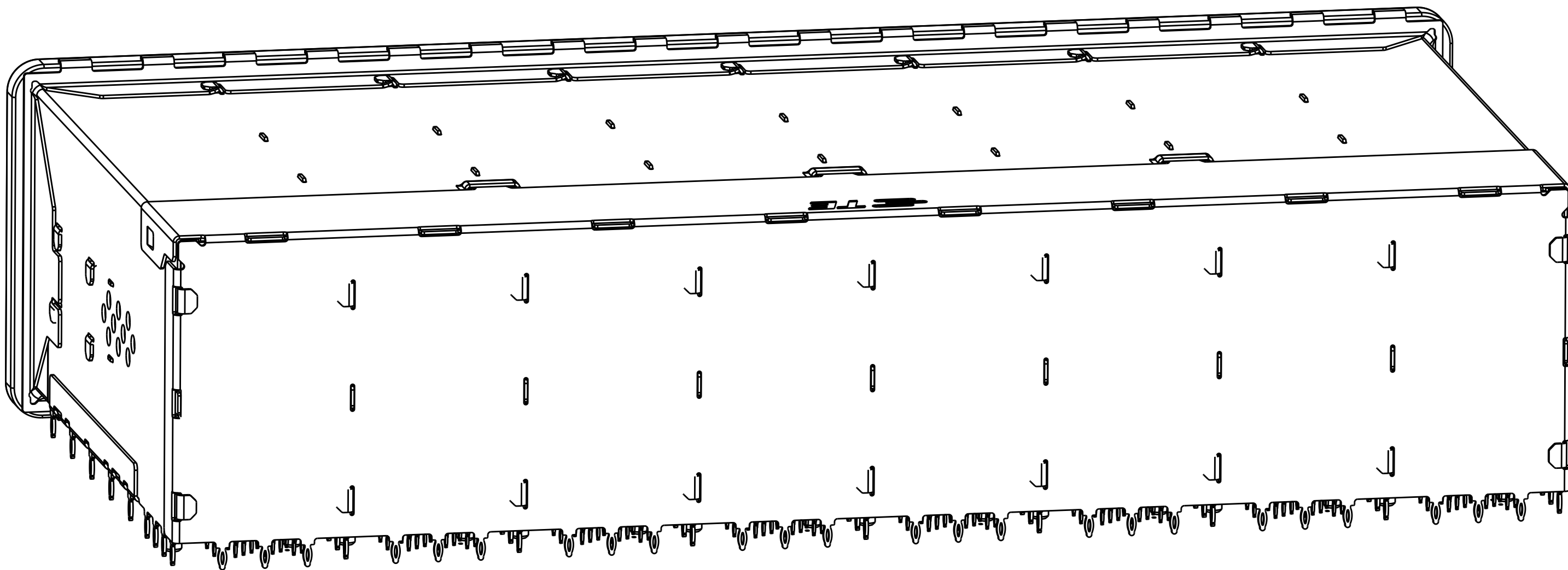
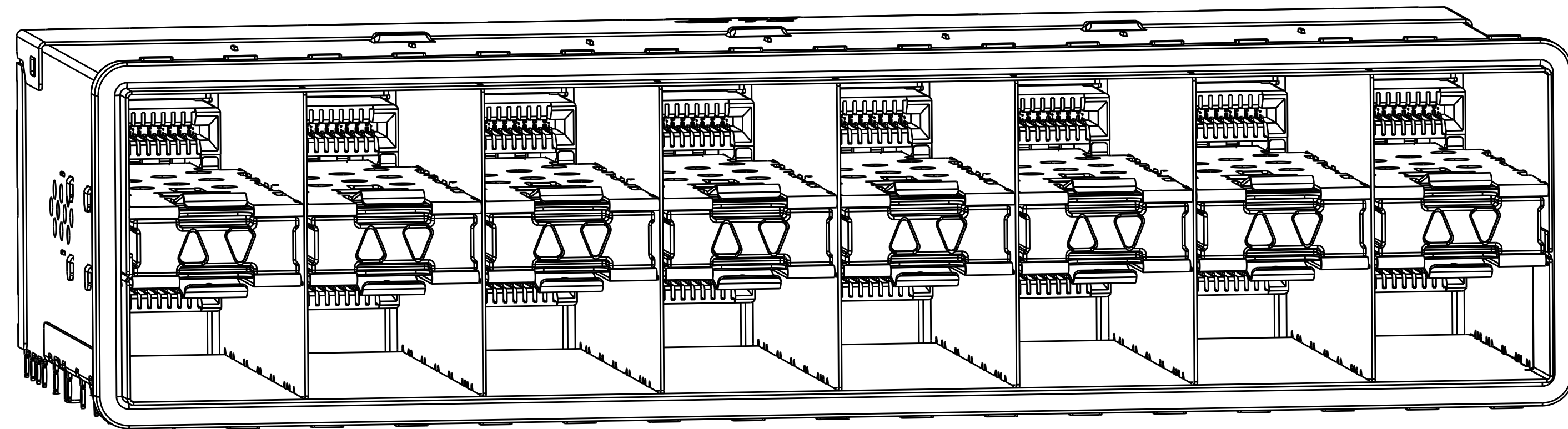
3-2198346-0
EMI GASKET TYPE



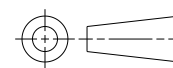
AIR VENTS

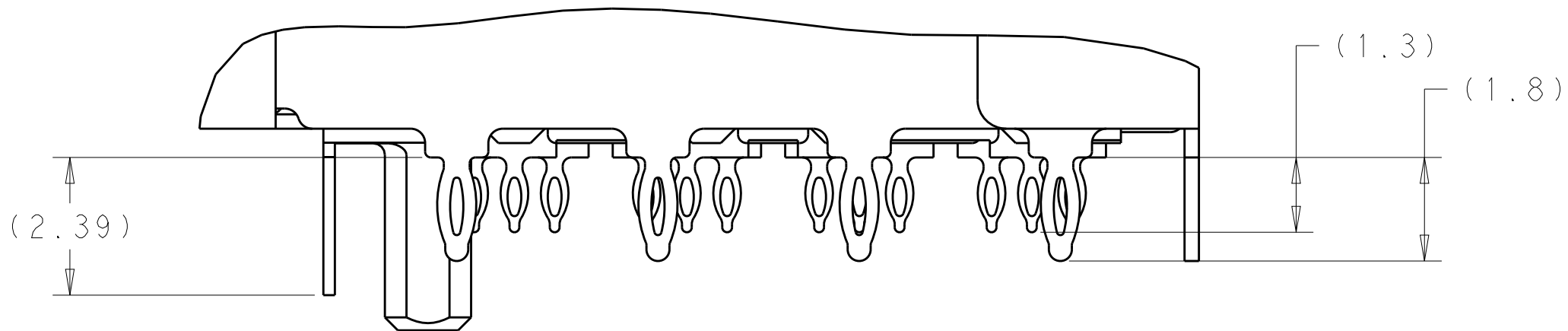
3-2198346-1
EMI SPRING TYPE

EMI GASKET TYPE
WITH LOW PROFILE FLANGE



3-2198346-2

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	±	PRODUCT SPEC	SIZE	CASE 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	A100779C=2198346					
SEE NOTES		Customer Drawing	SCALE 3:1 SHEET 2 OF 7 REV C					



2.6
0.8 BEZEL THICKNESS

0±0.1
BEZEL OPENING
TO TOP OF PCB

(3.5)

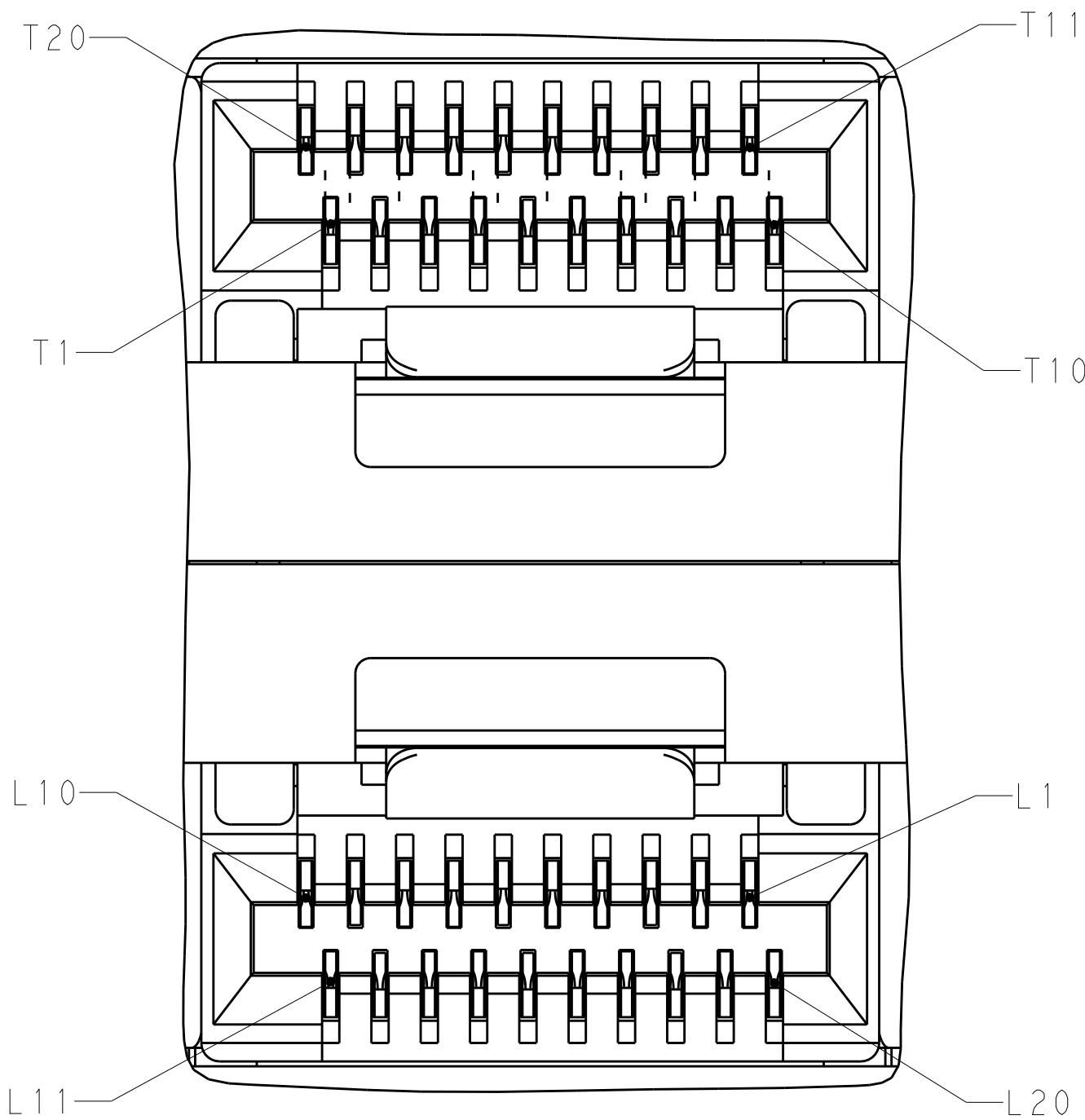
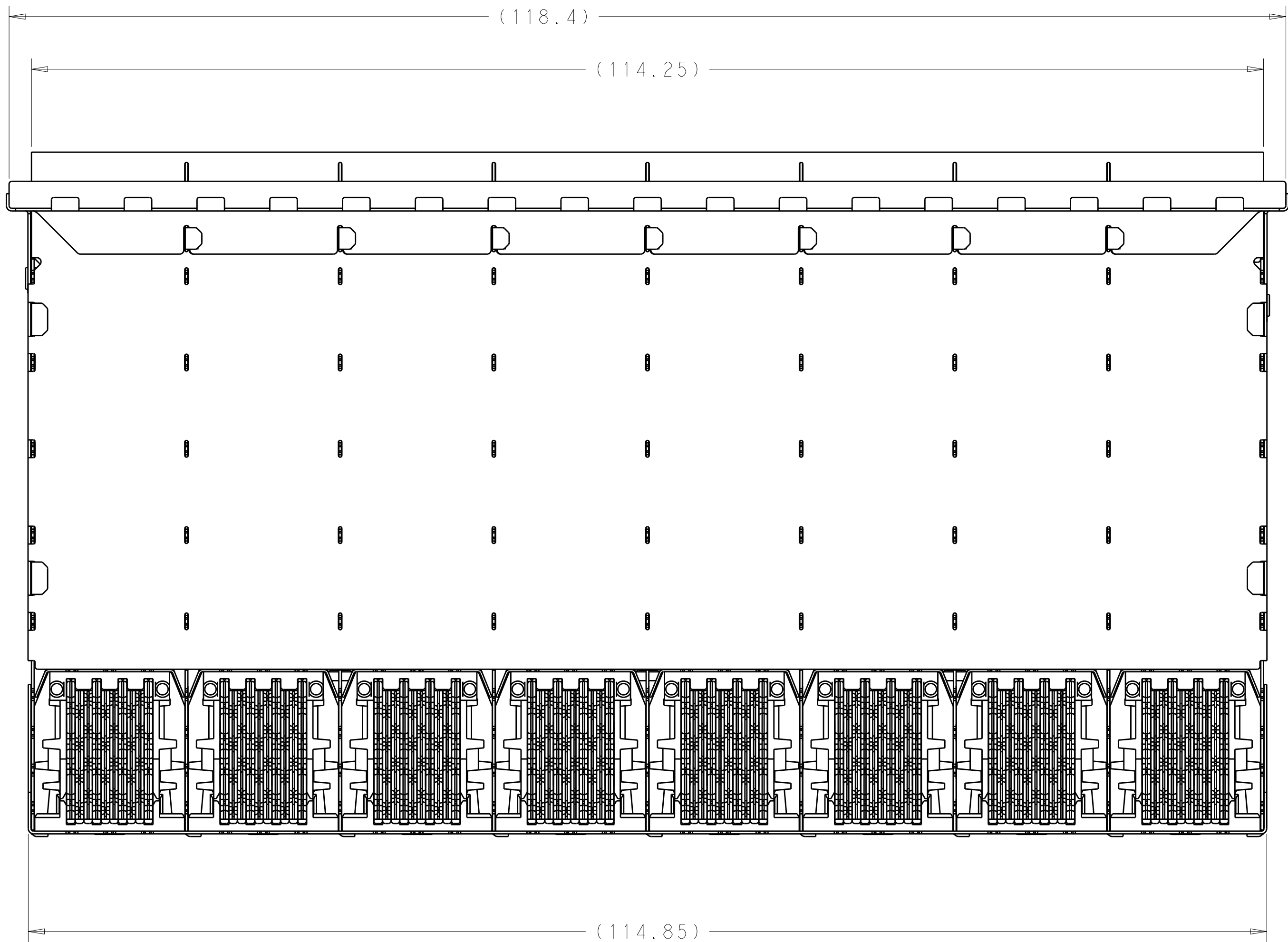
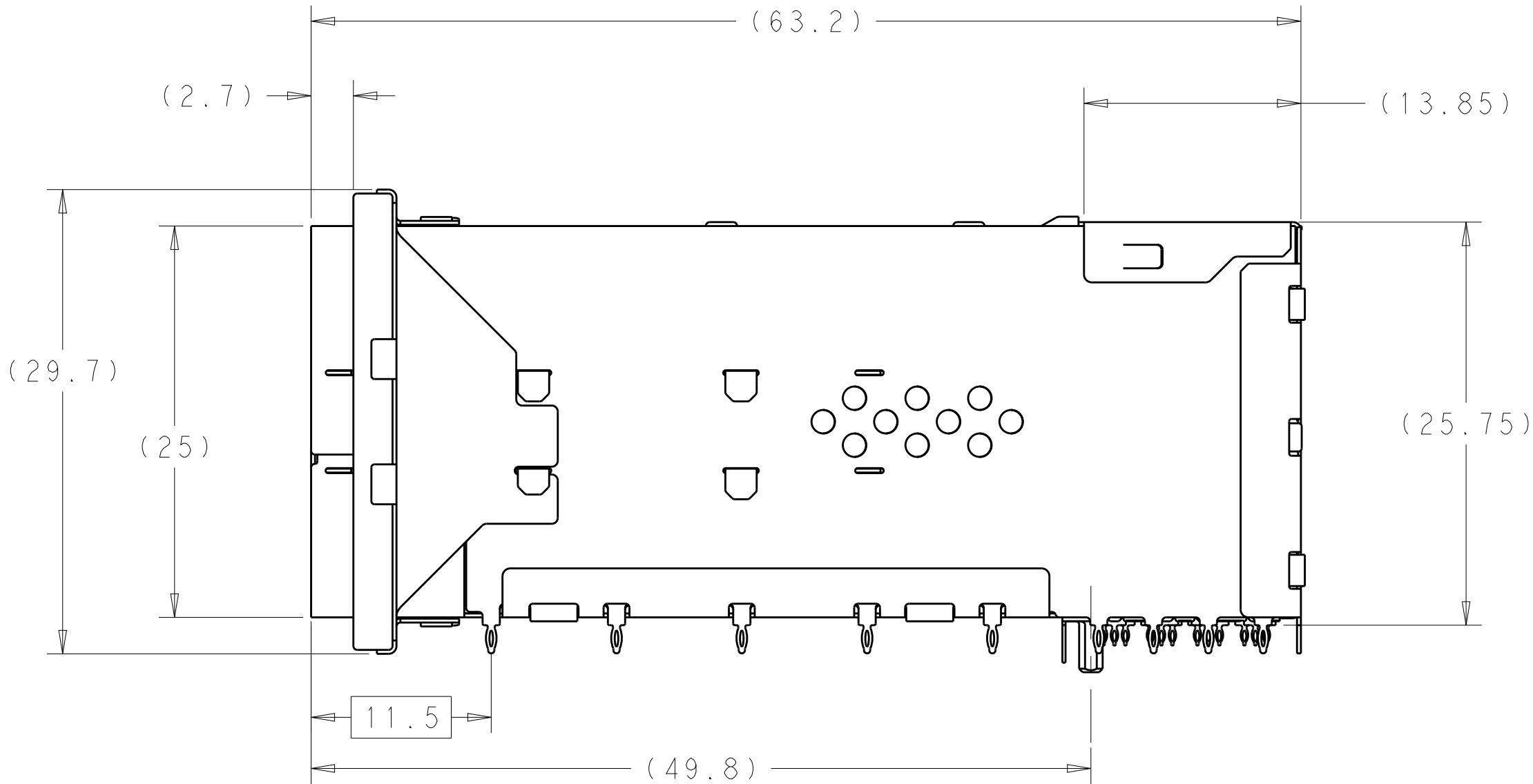
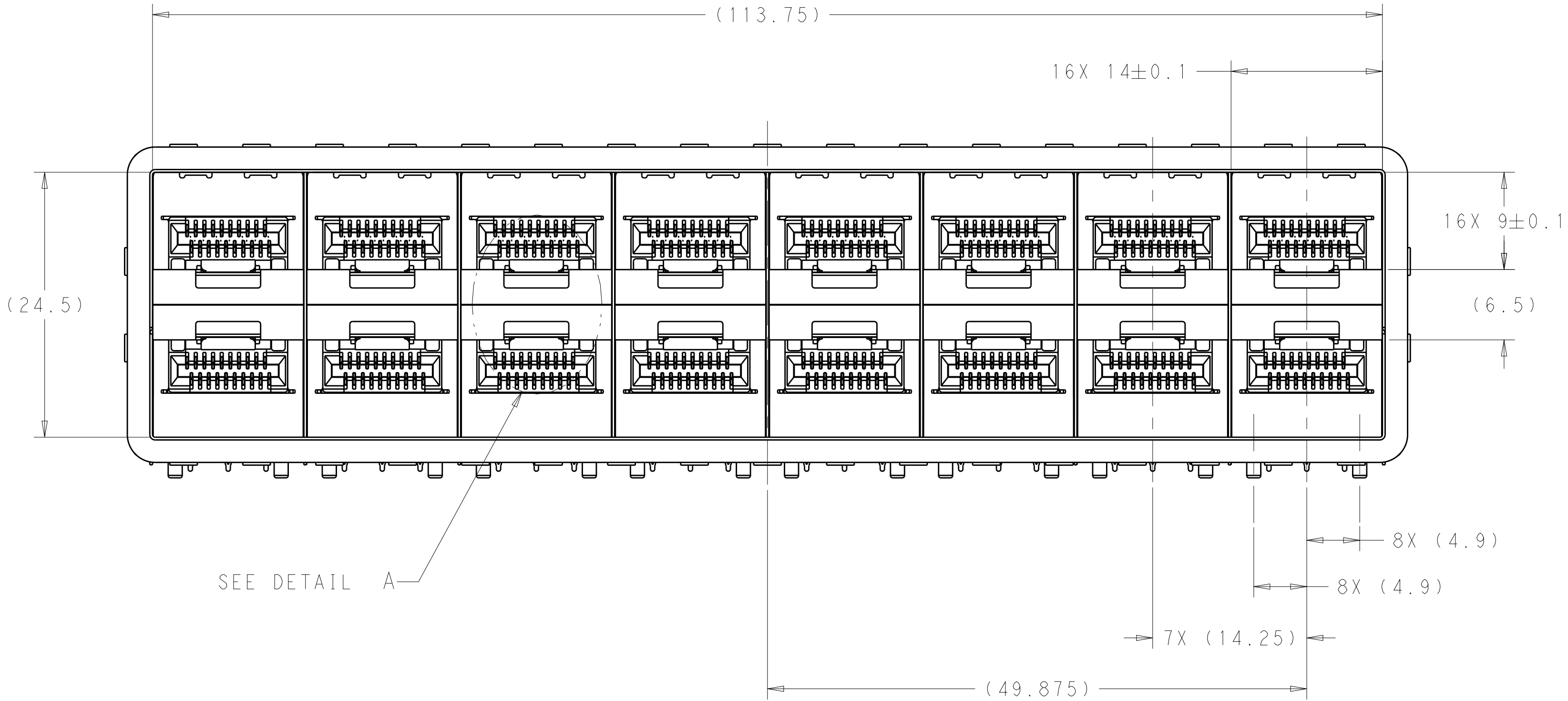
3.55±0.3

PCB

THIS DRAWING IS A CONTROLLED DOCUMENT		DWG 09DEC2011 M. E. COWHER CHK 13DEC2011 M. D. MORRISON APP'D 13DEC2011 M. D. MORRISON		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 P/LC ± 0.20 2 P/LC ± 0.15 3 P/LC ± 0.10 4 P/LC ± 0.10 ANGLES $\pm 1^\circ$		NAME RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+ -	
MATERIAL SEE NOTES		PRODUCT SPEC 108-2481 APPLICATION SPEC 114-13319 WEIGHT -		SIZE CASE CODE DRAWING NO A100779C=2198346	
FINISH SEE NOTES		RESTRICTED TO -		SCALE 3:1 SHEET 3 OF 7 REV C	
Customer Drawing					

4805 (3/11)

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

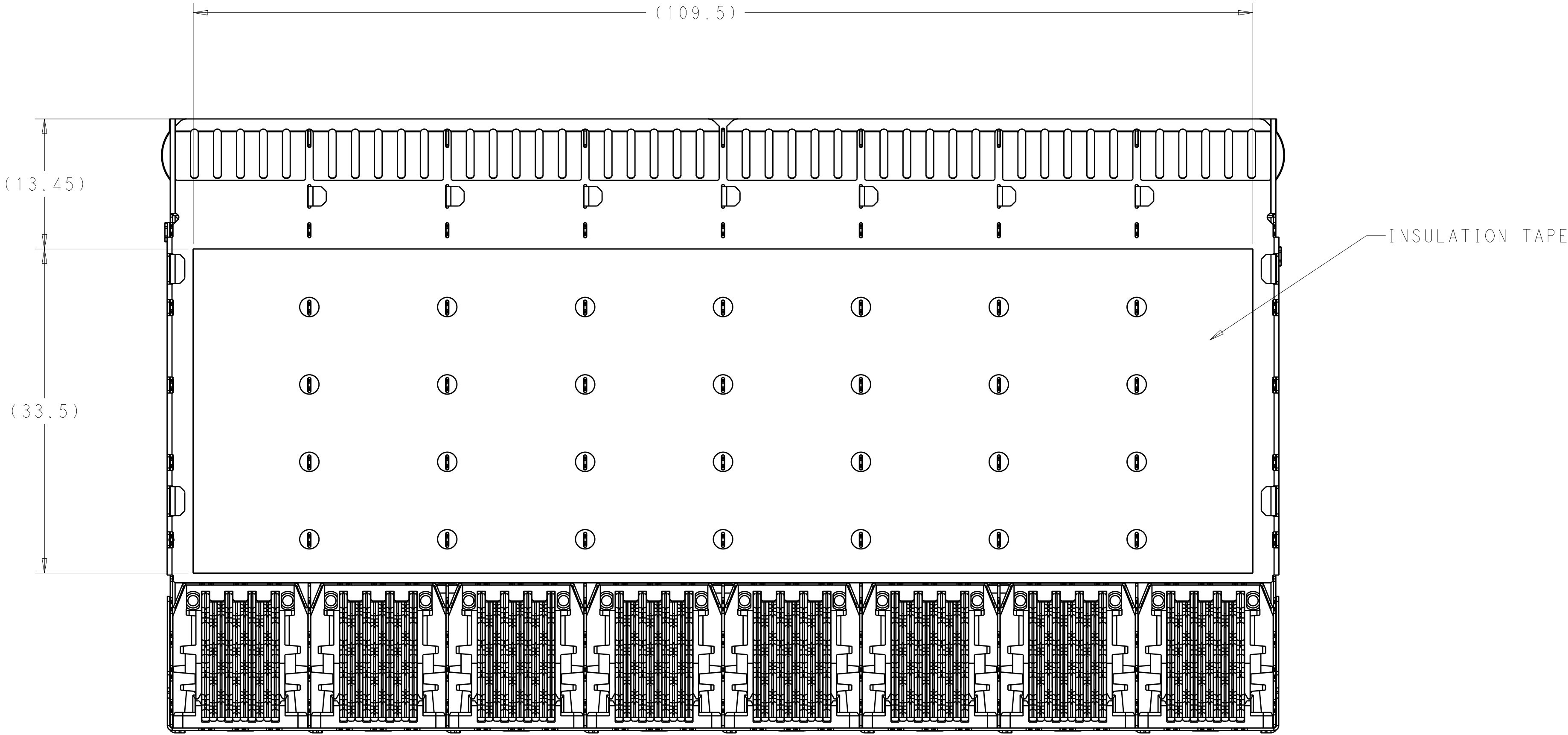
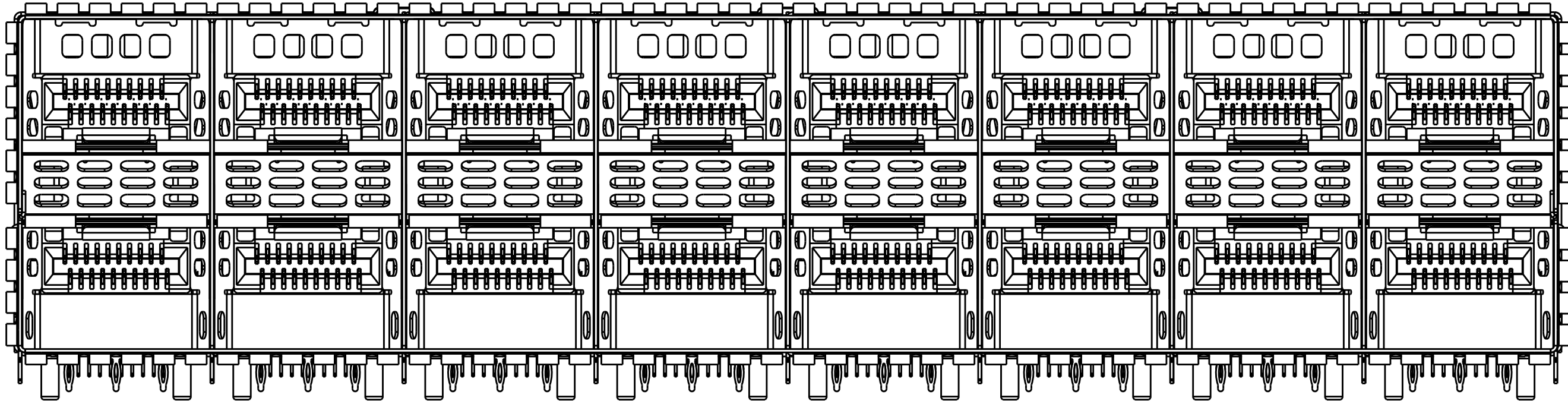


DETAIL A
8X INDIVIDUALLY
STACKED, zSFP+
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONNER CHK M.D. MORRISON APVD M.D. MORRISON	09DEC2011 13DEC2011 13DEC2011	TE Connectivity	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	108-2481		
mm	0 PLC ±.20 1 PLC ±0.20 2 PLC ±0.15 3 PLC ±0.10 4 PLC ±.10 ANGLES ±.10 FINISH	APPLICATION SPEC	114-13319	NAME RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+	
MATERIAL SEE NOTES	SEE NOTES	WEIGHT -	Customer Drawing	SIZE A1	CAGE CODE 00779
		DRAWING NO. 2198346	RESTRICTED TO -	SCALE 3:1	SHEET 4
		REV C	OF 7		

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

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
		-		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 PLC

±

25

1 PLC

±

25

2 PLC

±

25

3 PLC

±

25

4 PLC

±

25

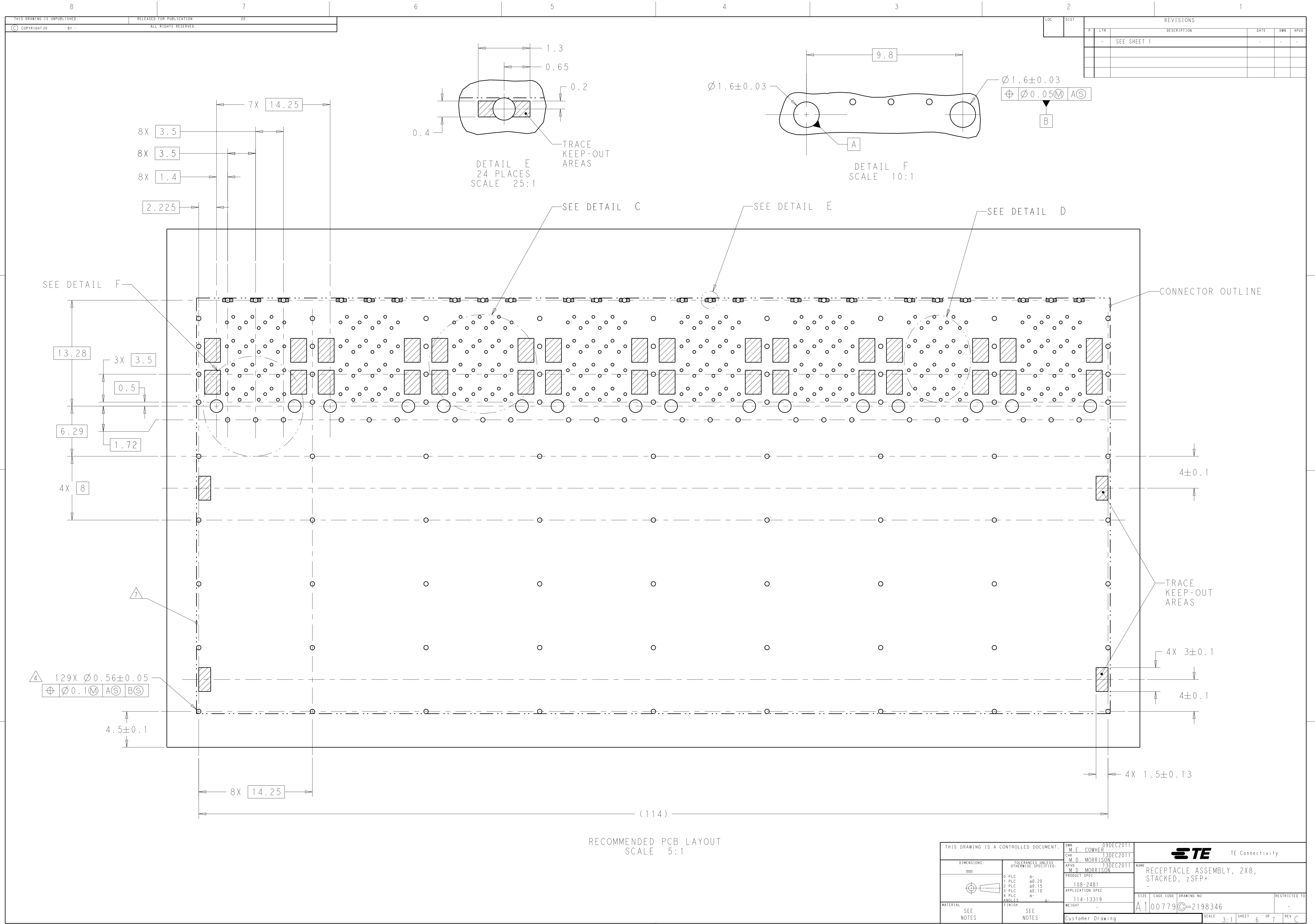
ANGLES

FINISH

SEE NOTES

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

SEE NOTES



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

Ø1.6±0.03
Ø0.05M AS
B

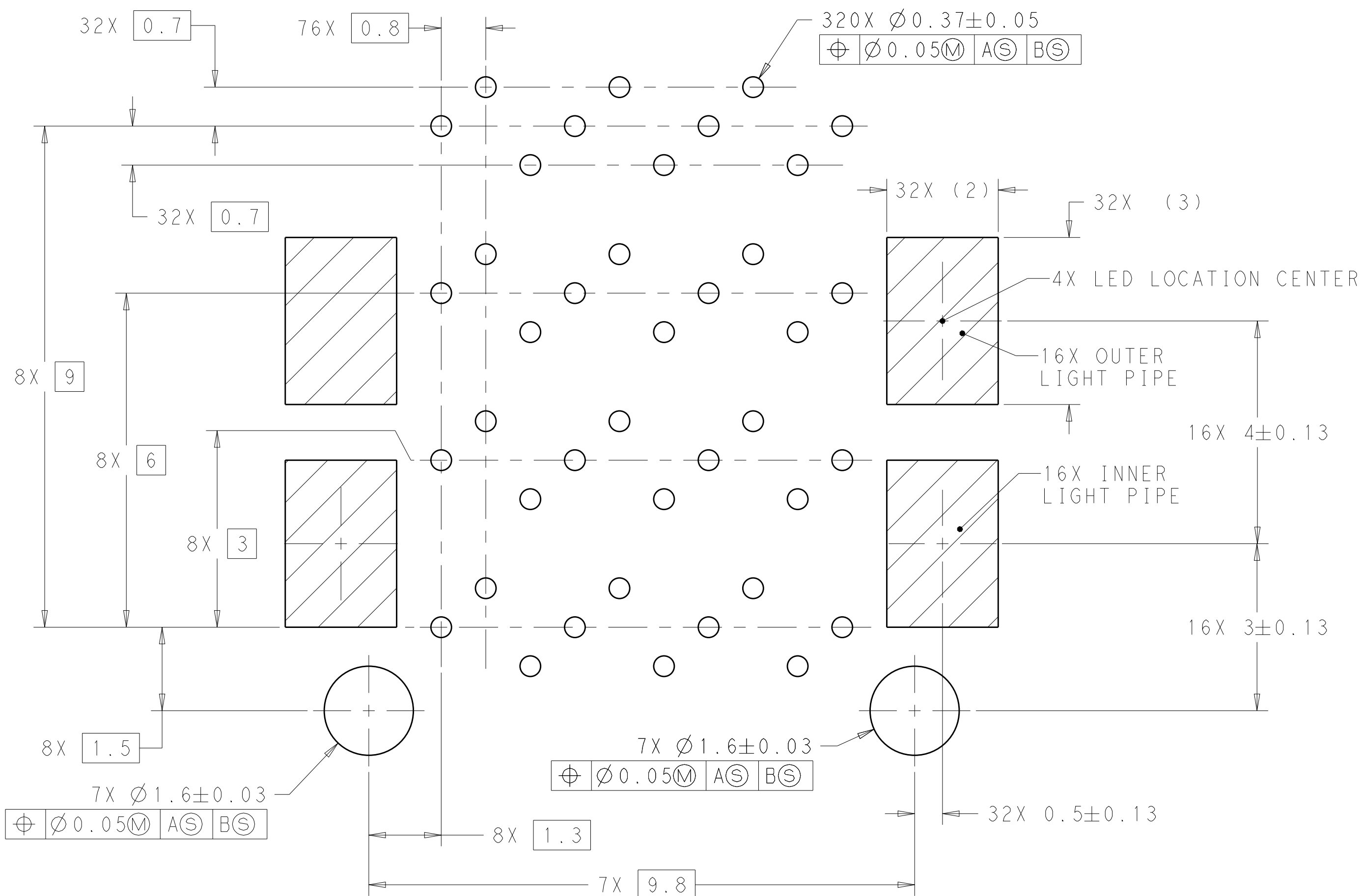
DETAIL F
SCALE 10:1

DETAIL E
24 PLACES
SCALE 25:1

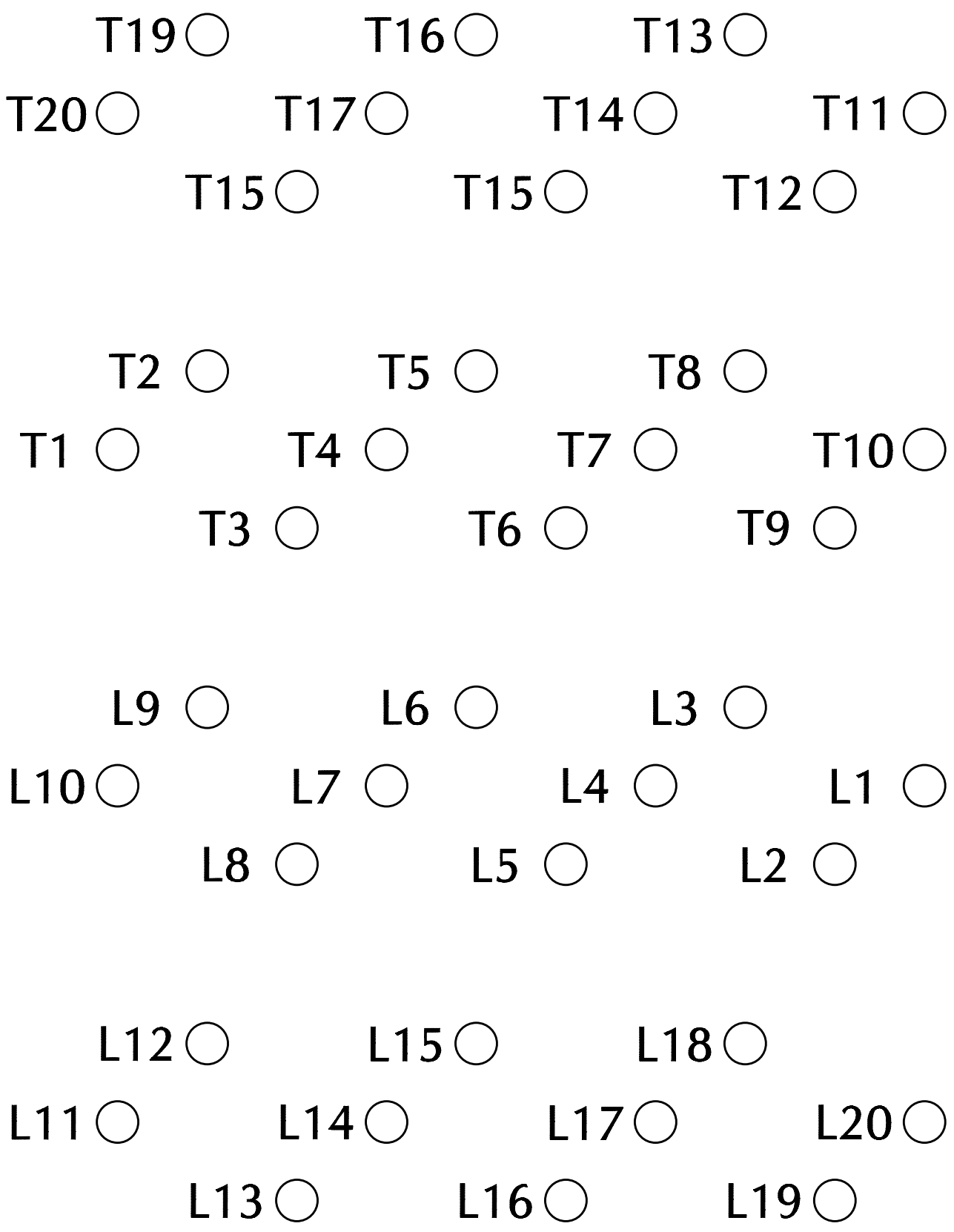
RECOMMENDED PCB LAYOUT
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONNER 09DEC2011	TE Connectivity
		CHK M.D. MORRISON 13DEC2011	
DIMENSIONS:		APVD M.D. MORRISON 13DEC2011	NAME RECEPTACLE ASSEMBLY, 2X8, STACKED, zSFP+
mm		PRODUCT SPEC	
		108-2481	SIZE CAGE CODE DRAWING NO
		APPLICATION SPEC	
		114-13319	RESTRICTED TO
MATERIAL SEE NOTES		WEIGHT	
		Customer Drawing	
		SCALE 3:1	SHEET 6 OF 7
		REV C	

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

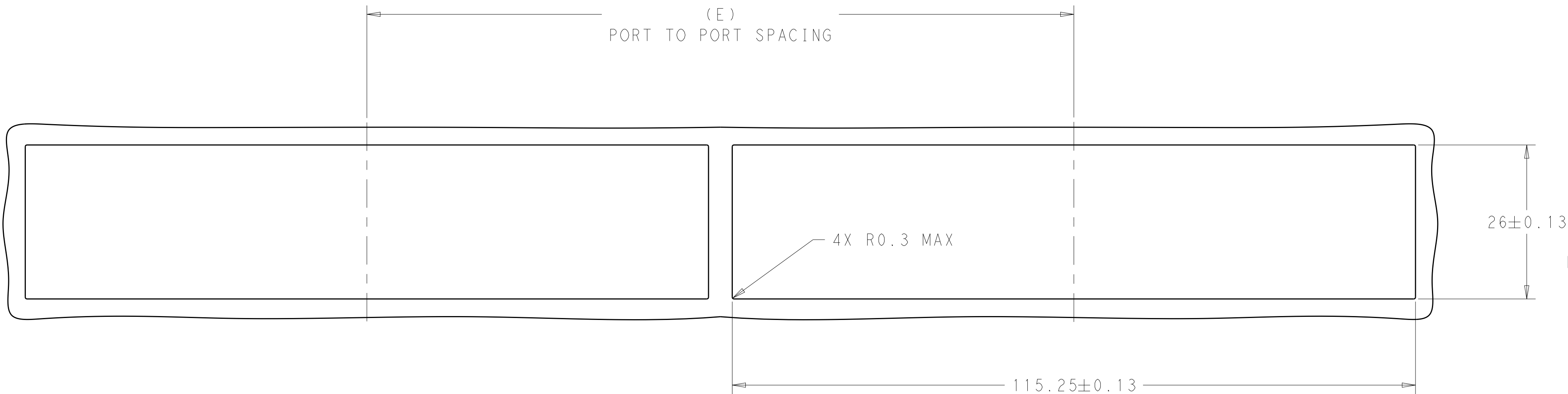


DETAIL C
RECOMMENDED PIN AND LIGHT PIPE LAYOUT
SCALE 15:1

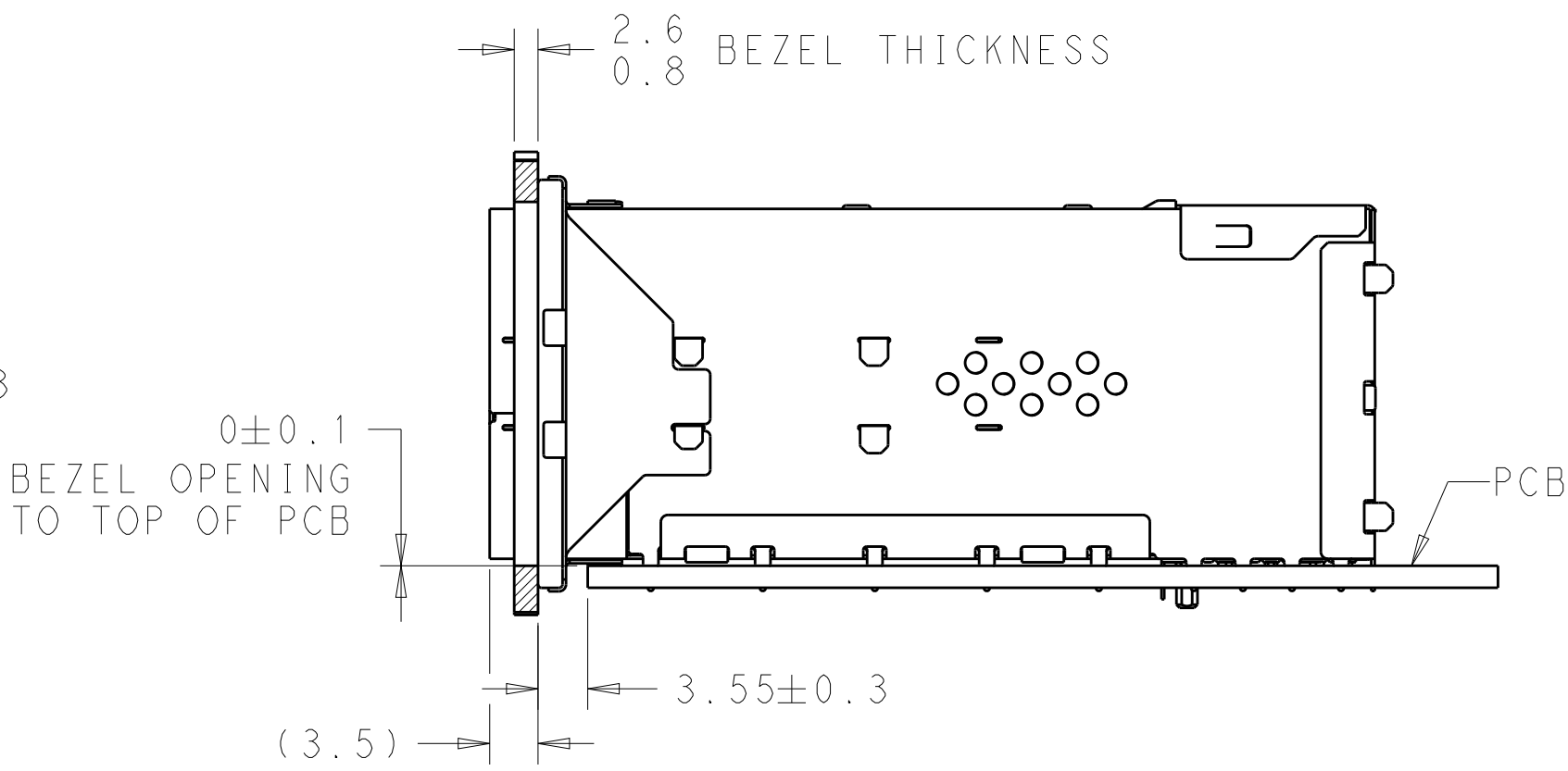


DETAIL D
PIN MAP
8X PLACES
SCALE 20:1

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



RECOMMENDED BEZEL CUT-OUT DETAIL
SCALE 2:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONWHER 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	±	PRODUCT SPEC	SIZE A1	
	1 PLC	±0.20	108-2481		
	2 PLC	±0.15	APPLICATION SPEC		
	3 PLC	±0.10	114-13319		
MATERIAL		WEIGHT	Customer Drawing		
SEE NOTES	FINISH SEE NOTES		SCALE 3:1 SHEET 7 OF 7 REV C		

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[TE Connectivity:](#)

[2198346-1](#)