

8

7

6

5

4

3

2

1

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20

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LOC

DIST

GP

00

REV

LYR

DESCRIPTION

DATE

OWN

APVD

E

REVISED PER ECO-20-014521

13OCT2020

JY

SH

E1

ADD NEW DASH NUMBER 3--4

17MAR2021

SZ

SZ

E2

ADD 4--4 PER ECN-21-106868

09JUN2021

SZ

SZ

E3

ADD NEW DASH NUMBER 5--9

03NOV2022

RZ

SZ

CAGE ASSEMBLY

GASKET FLANGE

EMI GASKET

CONTACT CHICKLET

CHICKLET ALIGNMENT CLIP

LIGHT PIPE PLATE

RECEPTACLE HOUSING

2343522-1

SCALE 3:1

EMI SPRINGS

2343522-5

SCALE 3:1

LIGHT PIPE

2343522-2, 2343522-6, 5-2343522-6

SCALE 5:1

INNER LIGHT PIPES

2343522-3, 2343522-7

SCALE 5:1

OUTER LIGHT PIPES

2343522-4, 2343522-8, 5-2343522-8

SCALE 5:1

VENT HOLES

2343522-7, 1-2343522-9

SCALE 5:1

REVERSED OUTER LIGHT PIPES

1-2343522-8, 2-2343522-0

SCALE 5:1

REVERSED OUTER LIGHT PIPE

5-2343522-9

SCALE 5:1

1. MATERIALS:
CAGE ASSEMBLY - NICKEL-SILVER ALLOY PER ASTM B 122
OR WITH NICKEL PLATED FOR CUSTOMIZED SPEC
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
LIGHT PIPE PLATE- STAINLESS STEEL

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

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

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

⚠️ 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

⚠️ LOW Br/Ci AS DEFINED IN TEC-138-702.

⚠️ LIGHT PIPE COATED VERSION

31	EMI SPRINGS W/ INSULATION TAPE	REVERSED OUTER	5-2343522-9
31	EMI SPRINGS AND CAGE W Ni PLATED	OUTER	5-2343522-8 ⚠️
31	EMI SPRINGS AND CAGE W Ni PLATED	INNER/OUTER	5-2343522-6 ⚠️
31	EMI SPRINGS AND CAGE W Ni PLATED	REVERSED OUTER	5-2343522-3
31	EMI SPRINGS W Ni PLATED	REVERSED OUTER	4-2343522-4 ⚠️
31	EMI SPRINGS W Ni PLATED	REVERSED OUTER	4-2343522-3
31	EMI SPRINGS	CENTER/REVERSED OUTER	3-2343522-4
31	EMI SPRINGS	REVERSED OUTER	3-2343522-3
31	EMI SPRINGS	REVERSED OUTER	2-2343522-0
31	EMI SPRINGS	CENTER/REVERSED OUTER	1-2343522-9
33.75	EMI GASKET	REVERSED OUTER	1-2343522-8
31	EMI SPRINGS	CENTER/REVERSED OUTER	1-2343522-7
31	EMI SPRINGS	OUTER	2343522-8
31	EMI SPRINGS	INNER	2343522-7
31	EMI SPRINGS	INNER/OUTER	2343522-6
31	EMI SPRINGS	NONE	2343522-5
33.75	EMI GASKET	OUTER	2343522-4
33.75	EMI GASKET	INNER	2343522-3
33.75	EMI GASKET	INNER/OUTER	2343522-2
33.75	EMI GASKET	NONE	2343522-1
(E)	CAGE TYPE	LIGHT PIPE CONFIGURATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN LEO LI 04SEP2018

CHK SEAN HAN 04SEP2018

APVD SEAN HAN 04SEP2018

DIMENSIONS:

mm

0

1

2

3

4

PLC

±0.25

±0.25

±0.25

±0.25

±0.25

ANGLES

±4°

MATERIAL SEE NOTES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH SEE NOTES

PRODUCT SPEC 108-2481

APPLICATION SPEC 114-13319

WEIGHT -

CUSTOMER DRAWING

NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56

SIZE A1

CAGE CODE 00779

DRAWING NO. 2343522

RESTRICTED TO -

SCALE 2:1

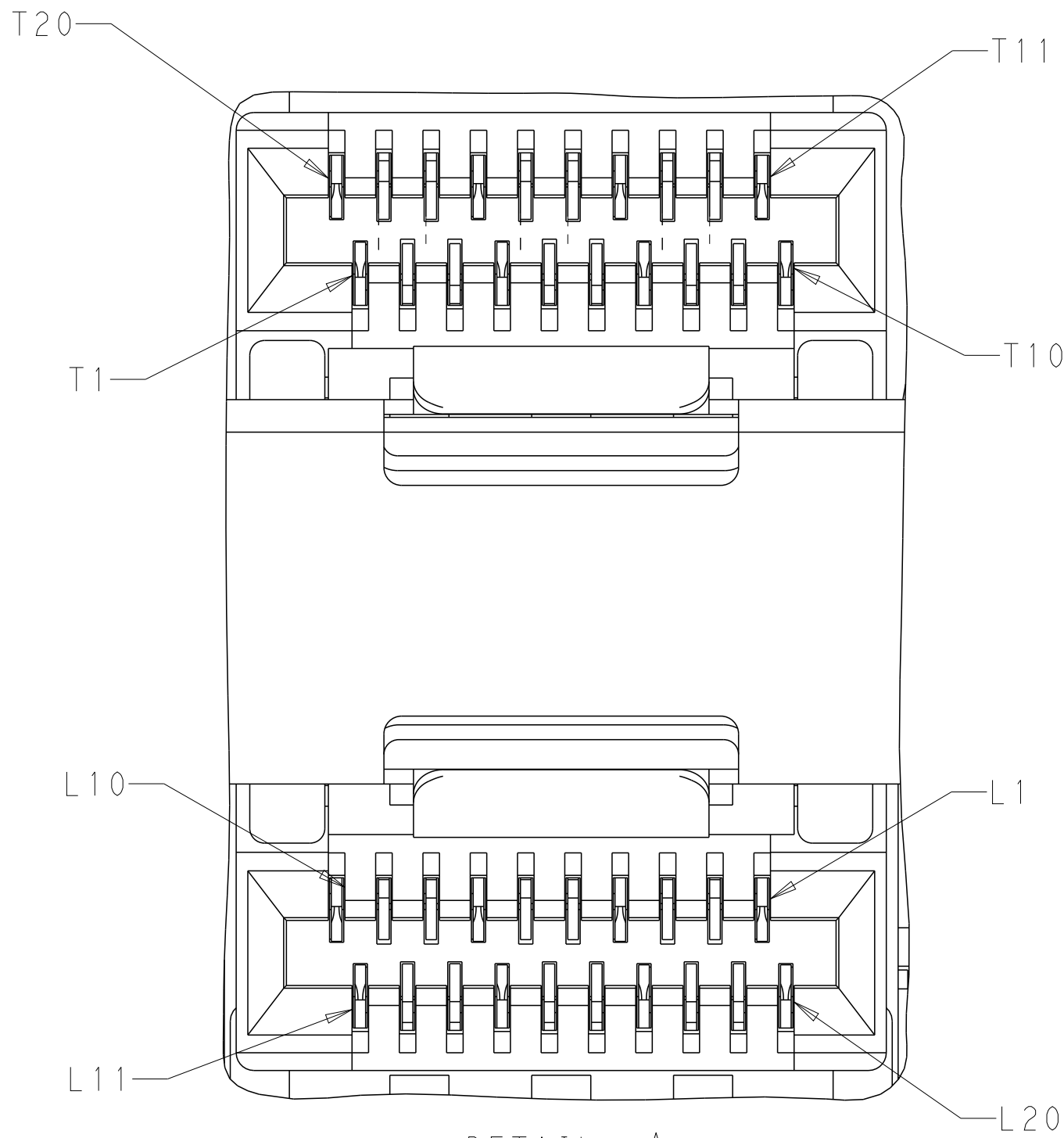
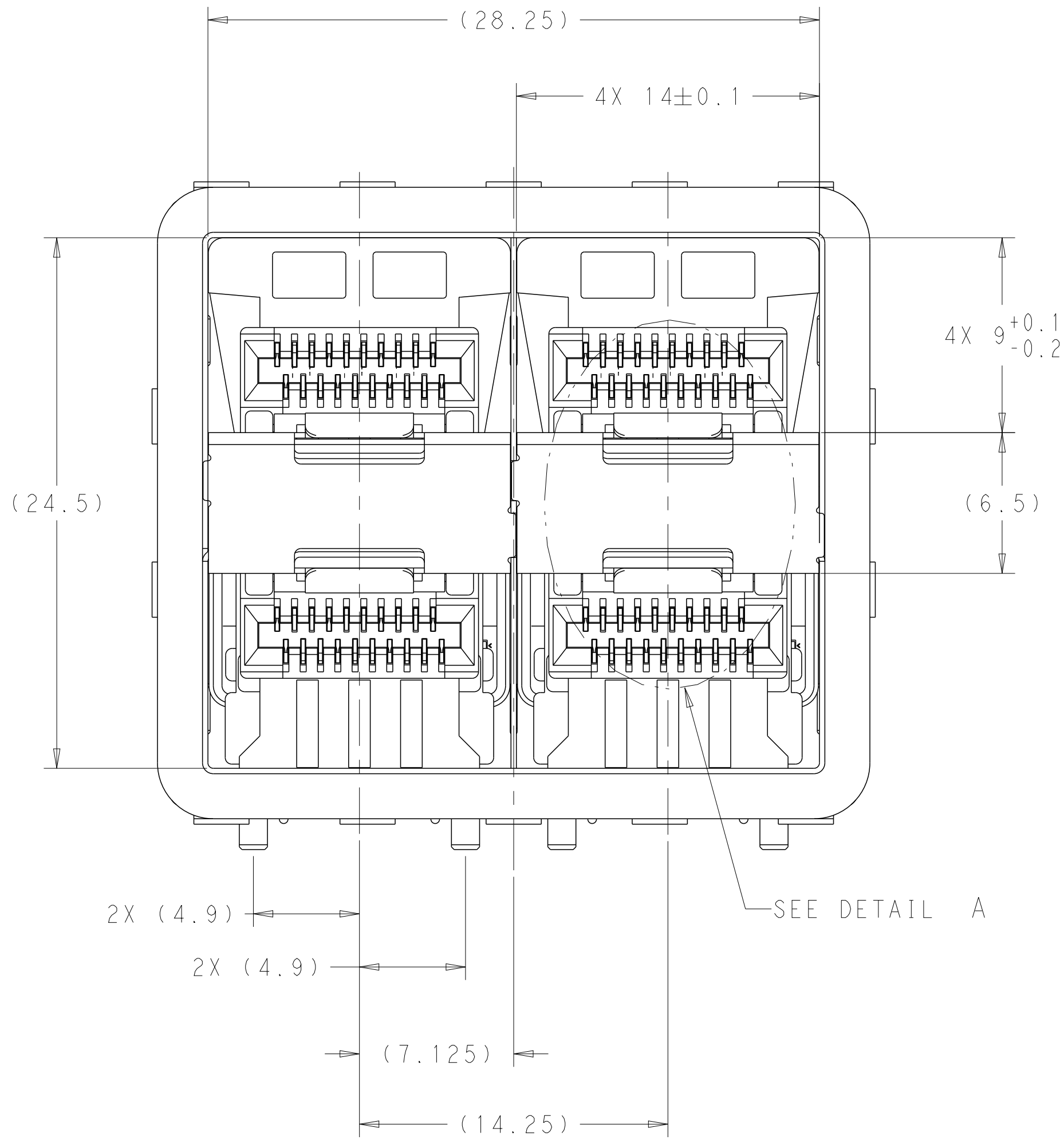
SHEET 1 OF 7

REV E4

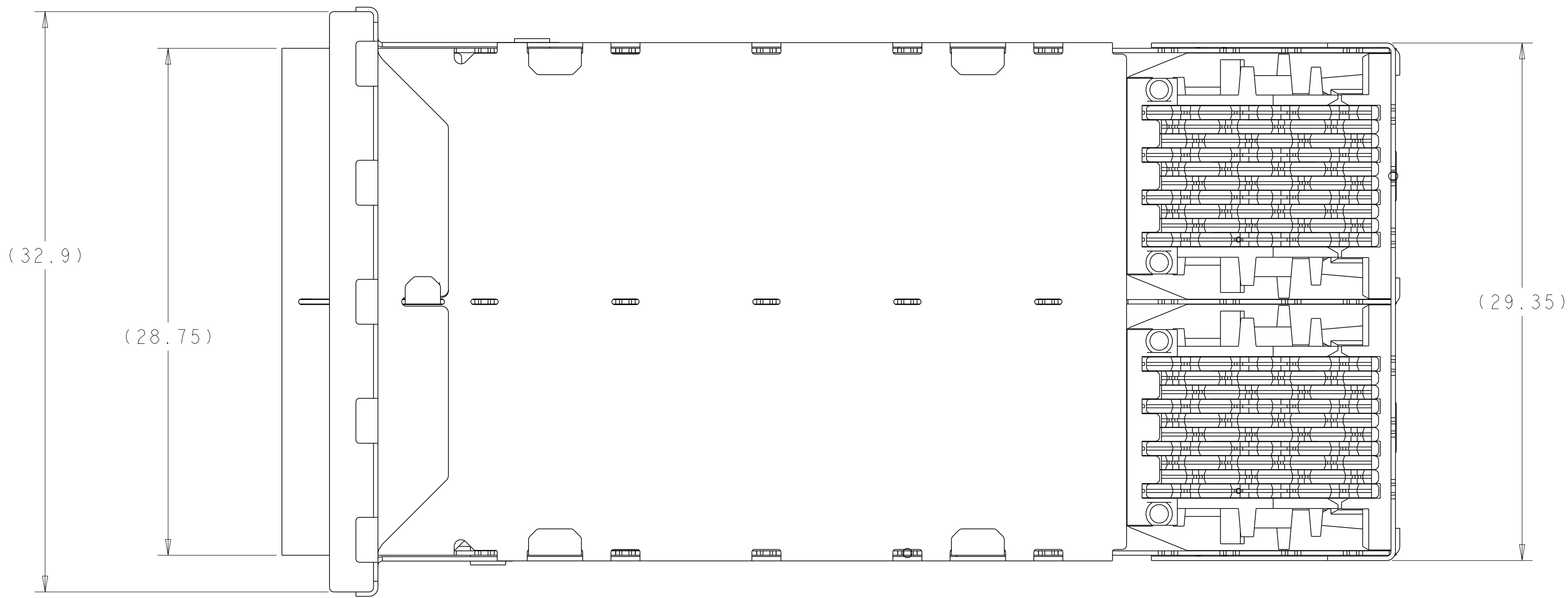
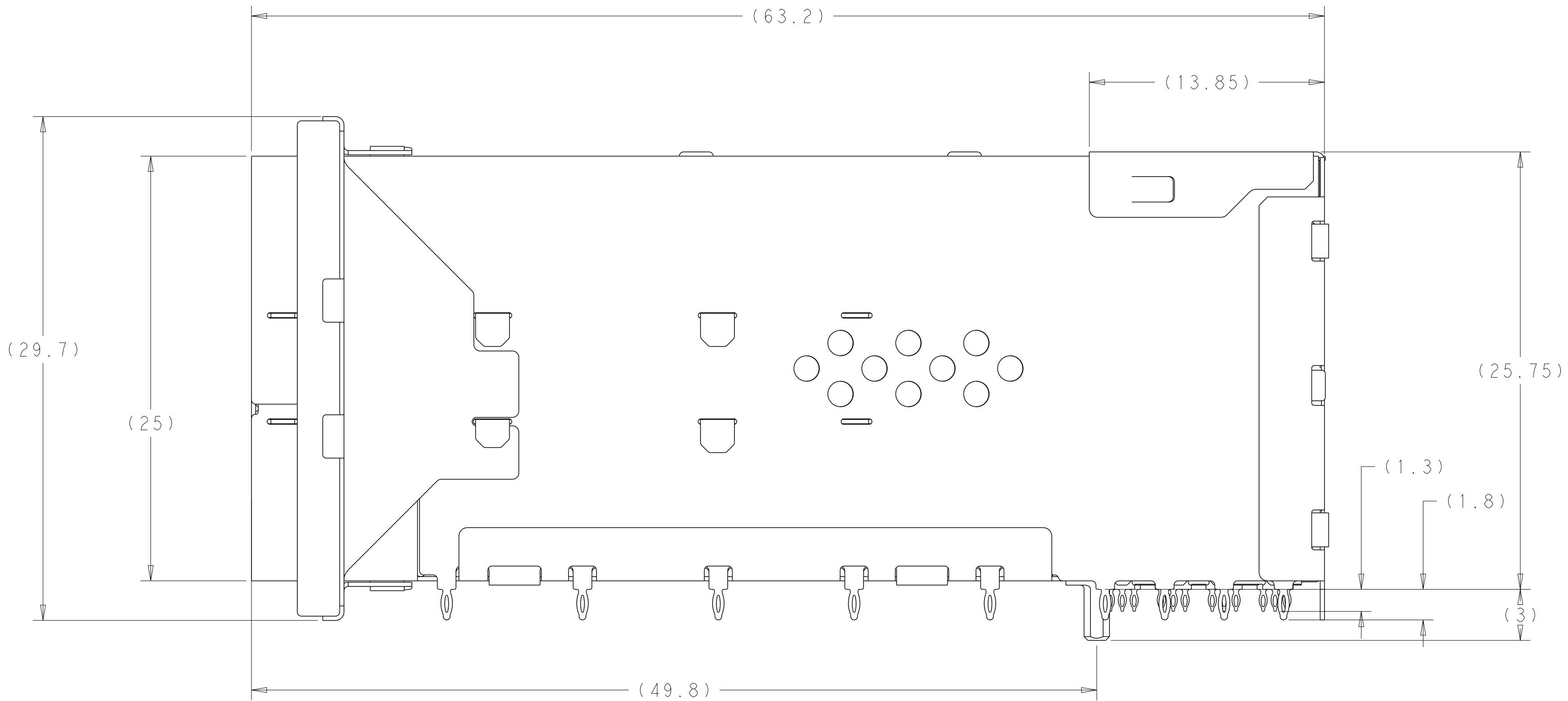
4805 (3/11)

Downloaded from Arrow.com

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

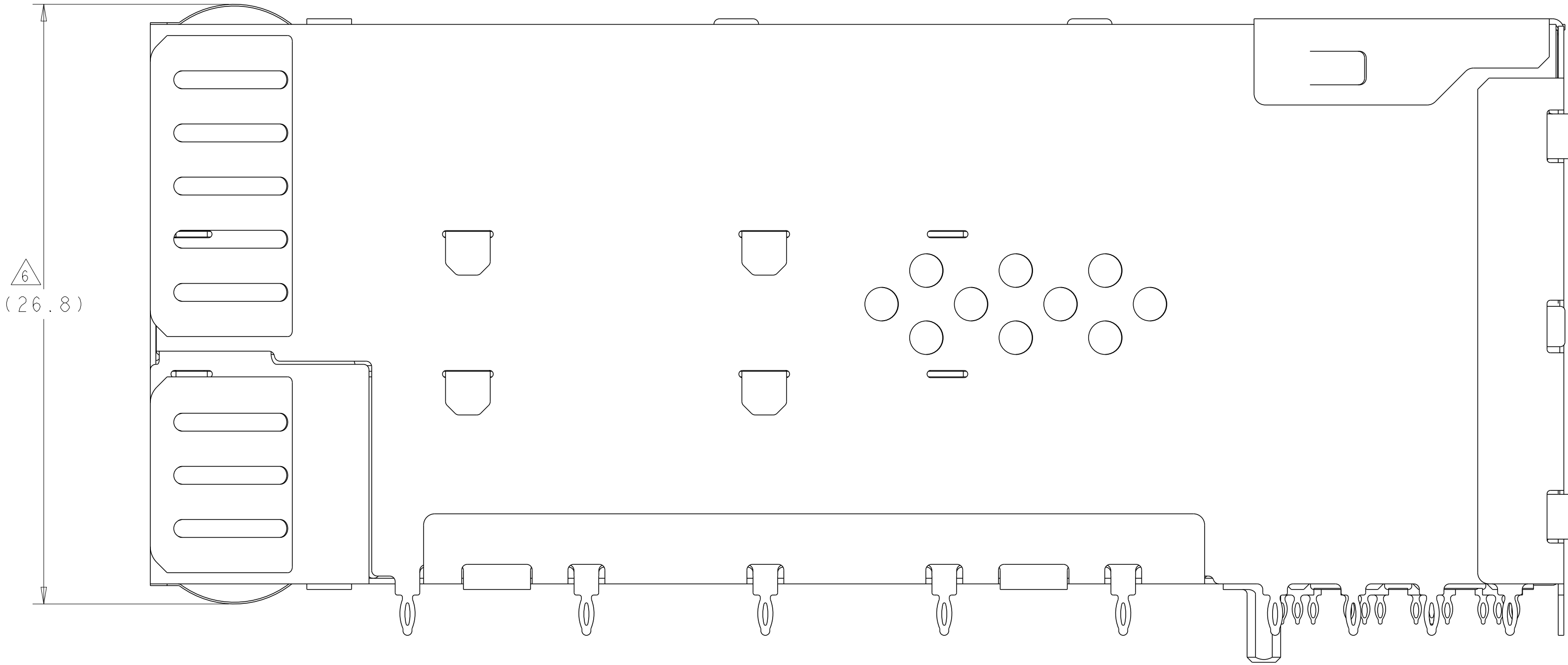
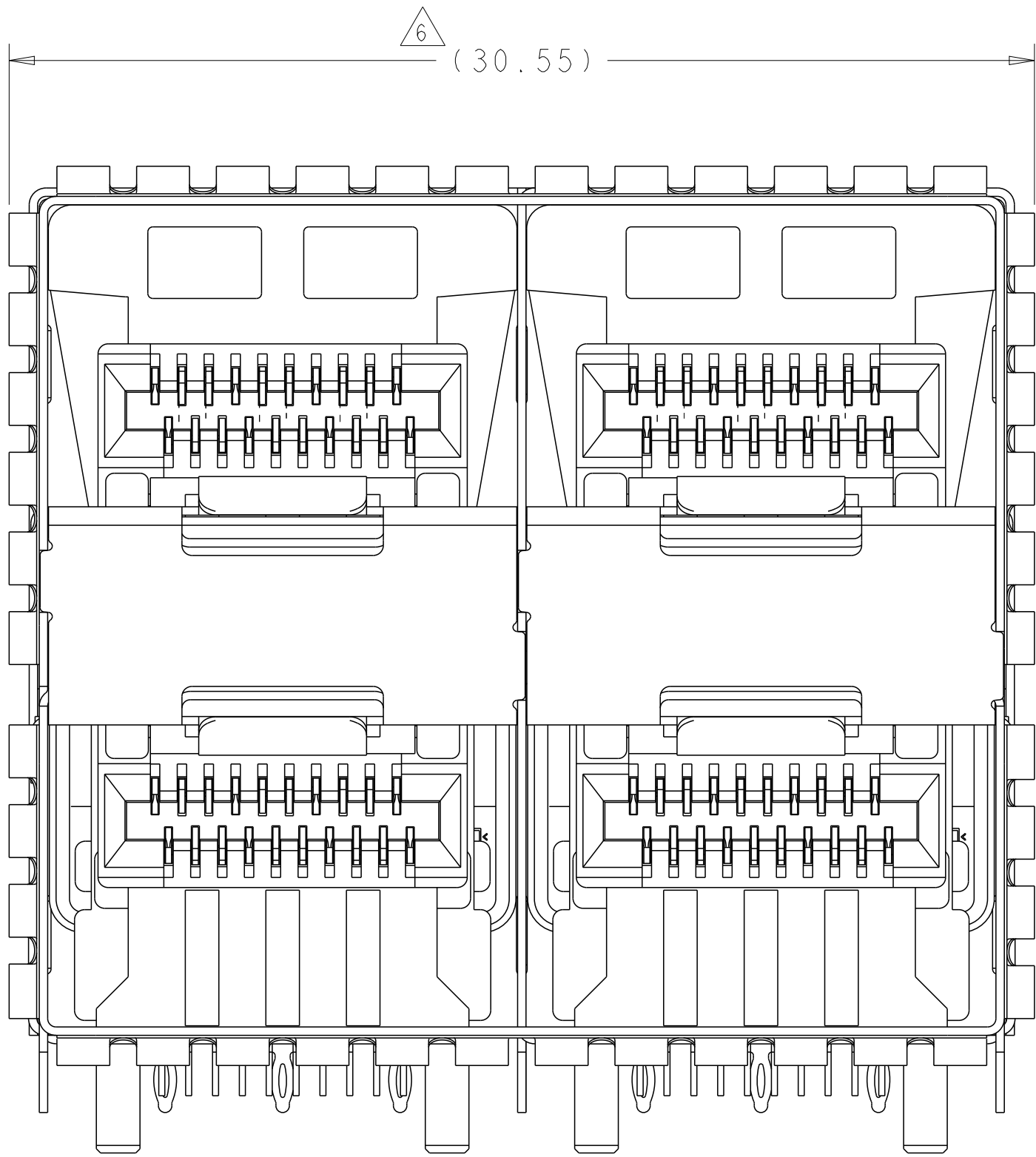


DETAIL A
2 PLACES
SCALE 10:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LEO LI 04SEP2018	 TE Connectivity			
DIMENSIONS:		CHK SEAN HAN 04SEP2018				
mm		APVD SEAN HAN 04SEP2018	NAME RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56			
		PRODUCT SPEC 108-2481				
		APPLICATION SPEC 114-13319				
		SIZE A1		CAGE CODE 100779	DRAWING NO C=2343522	RESTRICTED TO -
		CUSTOMER DRAWING		SCALE 2:1	SHEET 2 OF 7	REV E4
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						
MATERIAL SEE NOTES						
SEE NOTES						

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



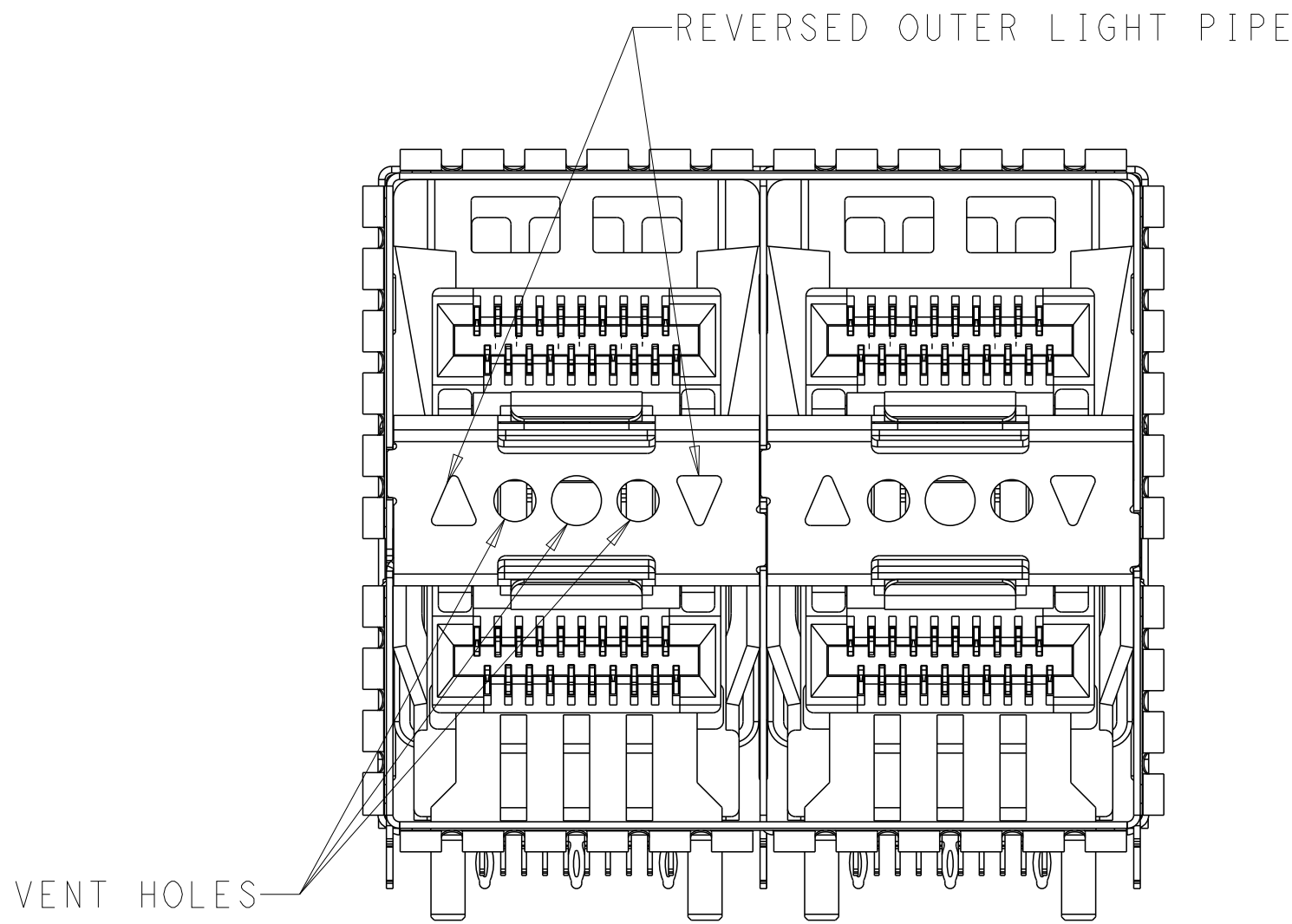
2343522-5 THRU 2343522-8, 1-2343522-9, 2-2343522-0,
5-2343522-6, 5-2343522-8
EMI SPRINGS ONLY
SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	LEO LI	04SEP2018	 TE Connectivity								
				CHK	SEAN HAN	04SEP2018									
				APVD	SEAN HAN	04SEP2018									
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56									
mm				PRODUCT SPEC		-									
		0 PLC ±0.25		108-2481		SIZE									
		1 PLC ±0.25		APPLICATION SPEC											
		2 PLC ±0.25		114-13319											
		3 PLC ±0.25													
		4 PLC ±0.25				RESTRICTED TO									
		ANGLES ±°													
		FINISH													
MATERIAL		SEE NOTES		WEIGHT		-									
SEE NOTES						A100779C2343522									
CUSTOMER DRAWING				SCALE		2:1		SHEET		3 of 7		REV		E4	

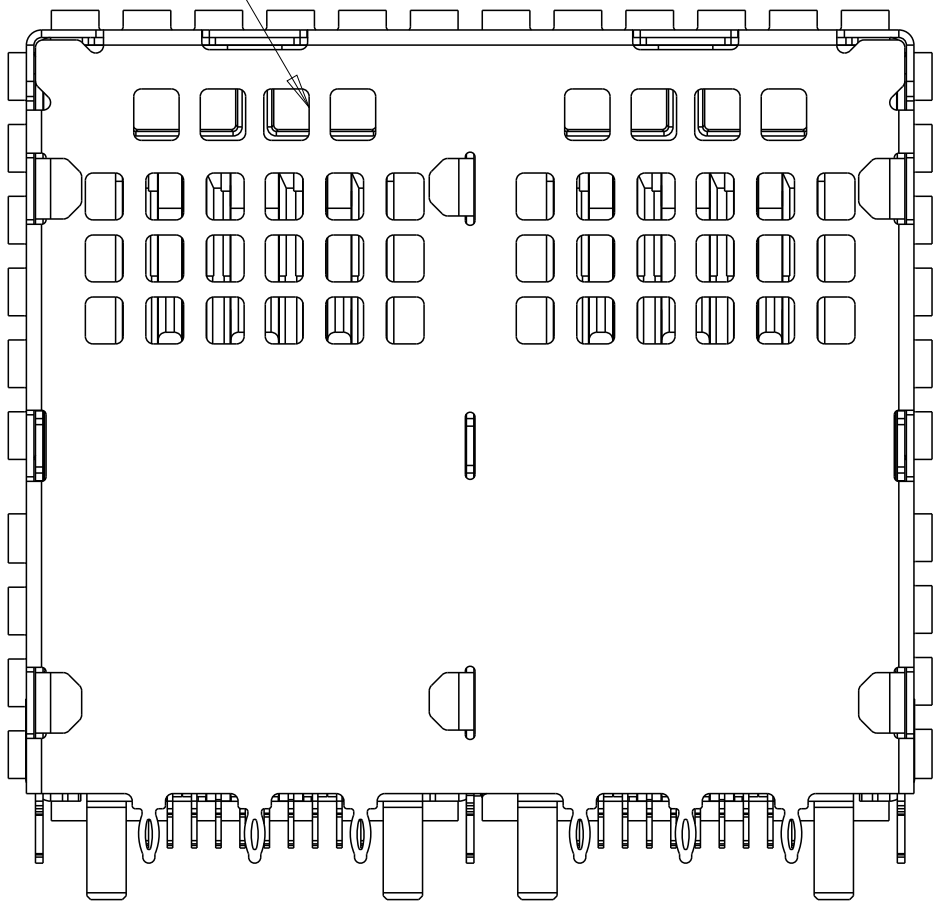
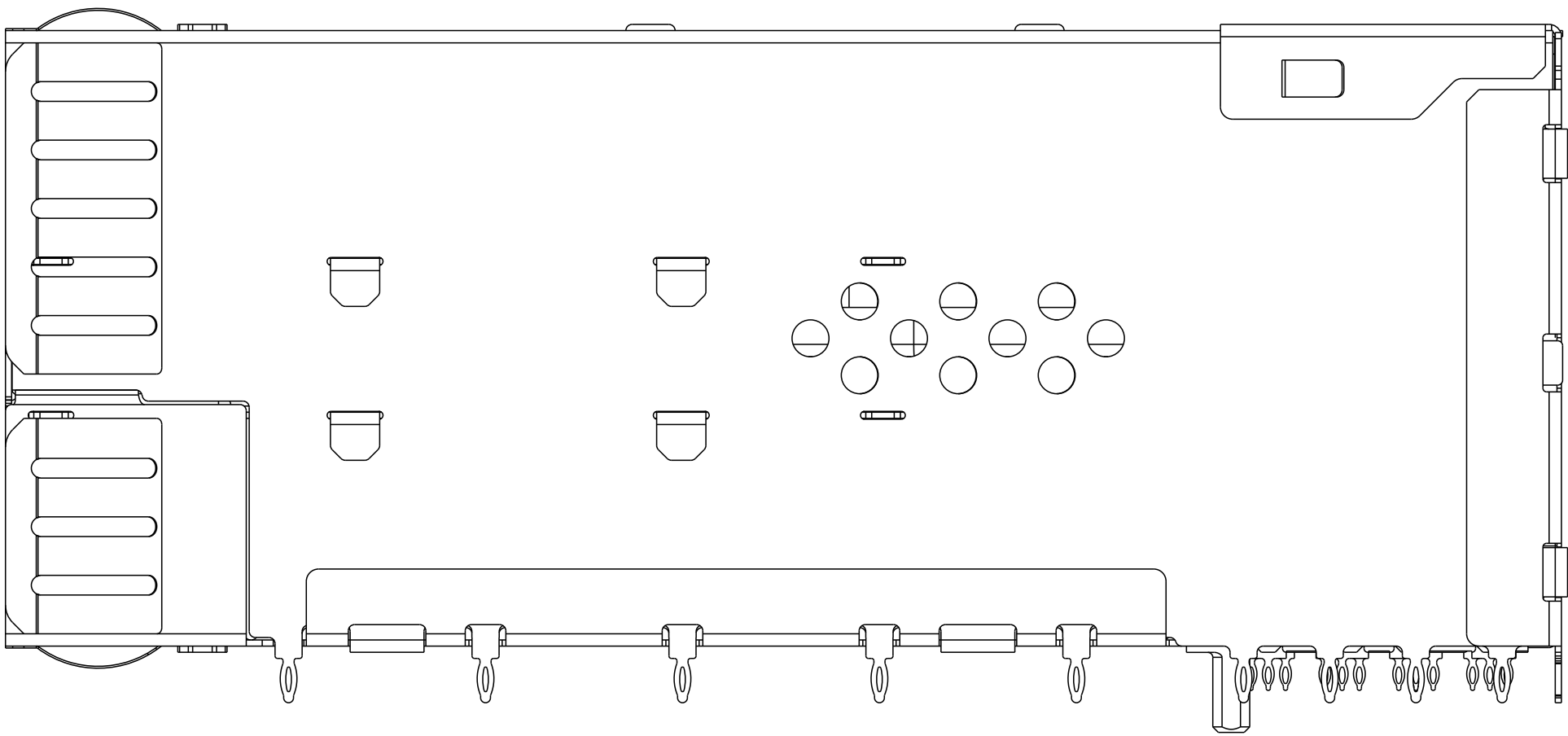
LOC		DIST		REVISIONS				
P	LYR	DESCRIPTION			DATE	DWN	APVD	
		SEE SHEET 1			-	-	-	

3-2343522-3, 4-2343522-3,4-2343522-4, 5-2343522-3 AIR FLOW ENHANCED VERSION
UNMARKED DIMENSION SAME AS 2343522-5

VENT HOLES PATTERN

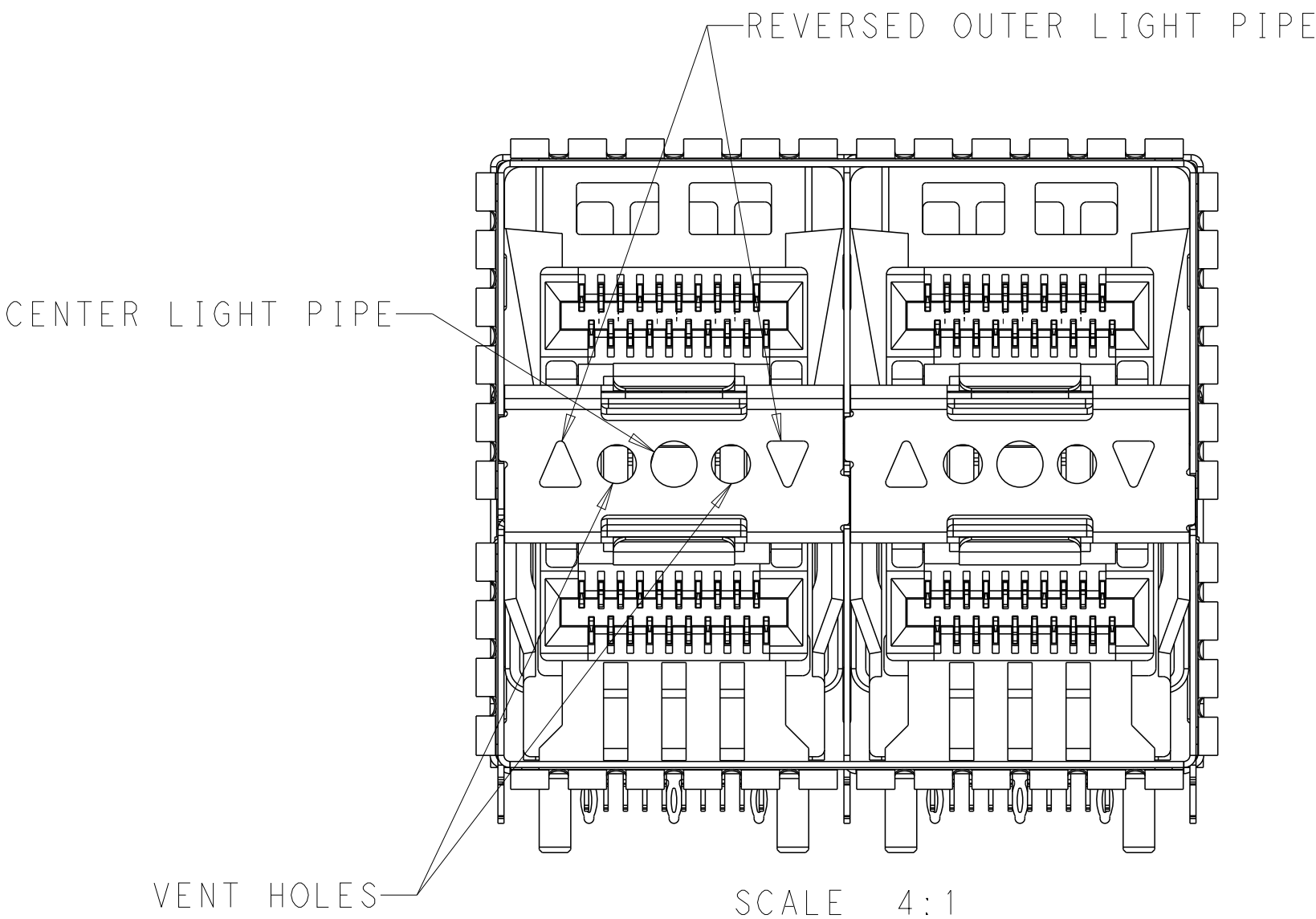


SCALE 4:1

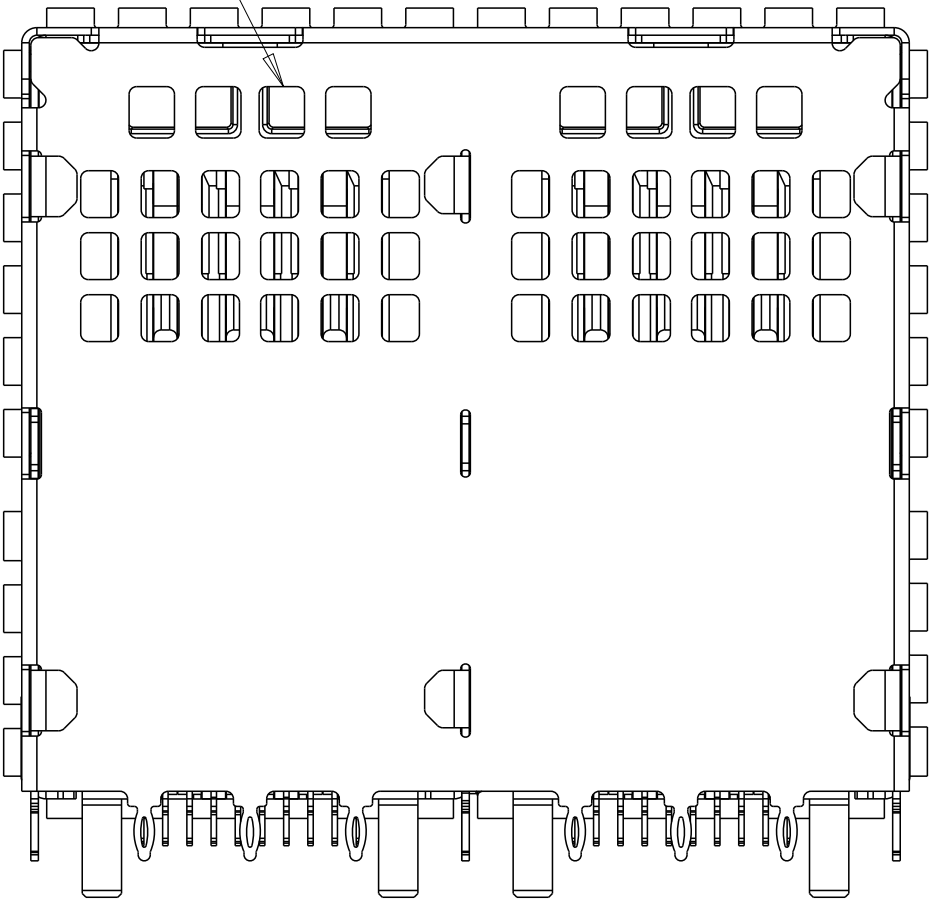
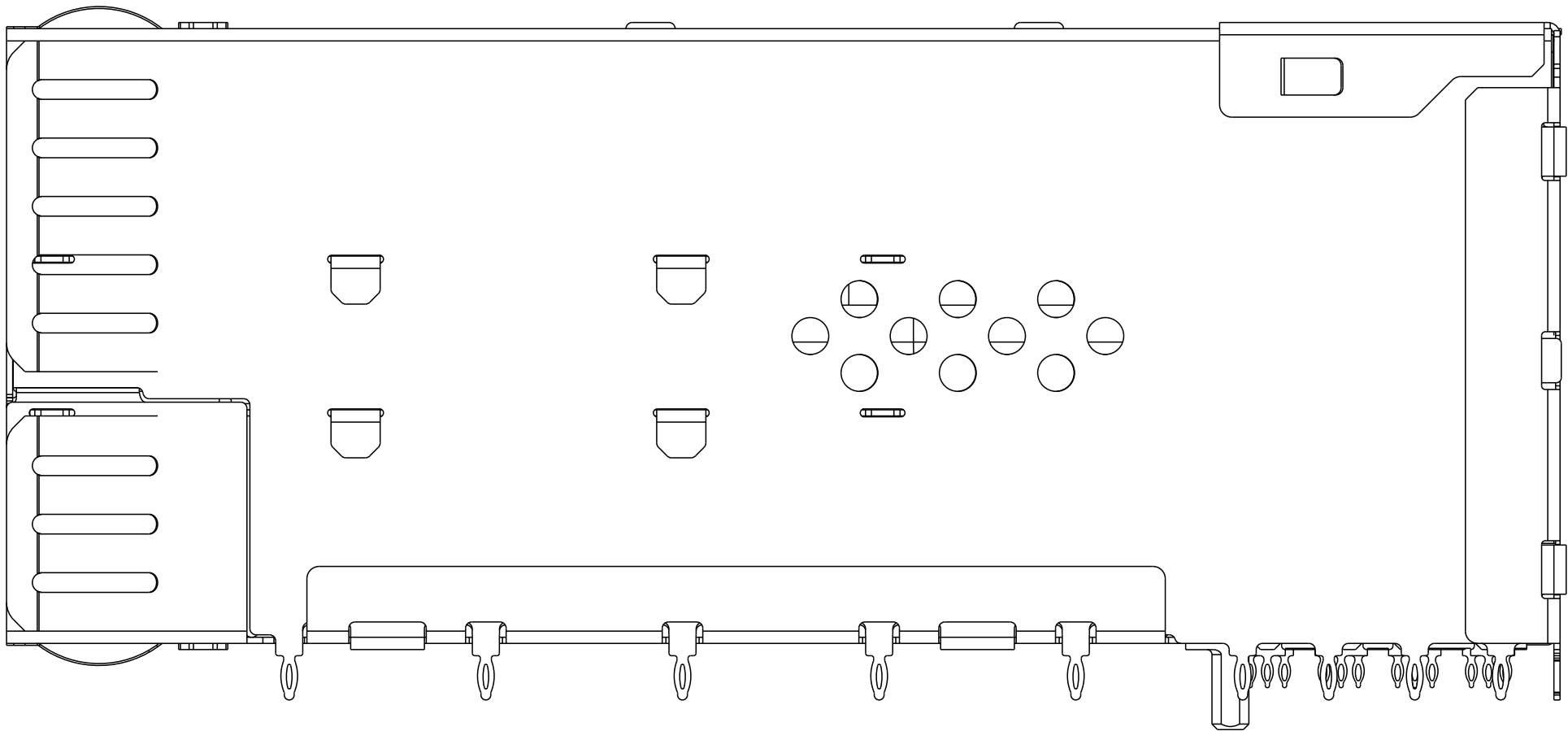


3-2343522-4 AIR FLOW ENHANCED VERSION
UNMARKED DIMENSION SAME AS 2343522-5

VENT HOLES PATTERN



SCALE 4:1

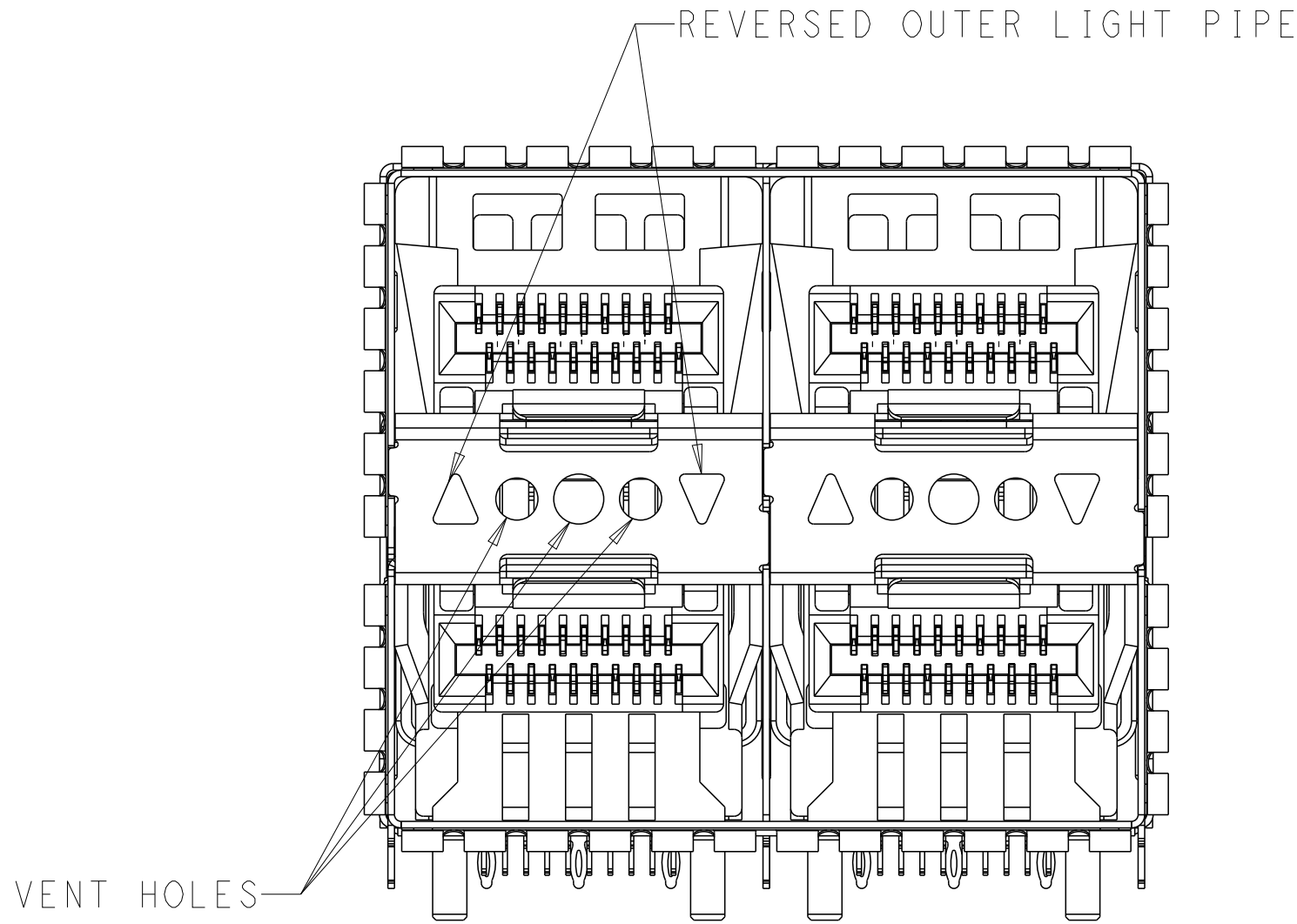


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	04SEP2018	 TE Connectivity							
		CHK	04SEP2018								
DIMENSIONS:		SEAN HAN	04SEP2018	NAME							
mm		APVD	04SEP2018								
		PRODUCT SPEC		RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56 -							
		108-2481									
		APPLICATION SPEC									
		114-13319									
MATERIAL		WEIGHT	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO				
SEE NOTES		FINISH		A1	00779	C=2343522	-				
CUSTOMER DRAWING				SCALE	2:1	SHEET	4	OF	7	REV	E4

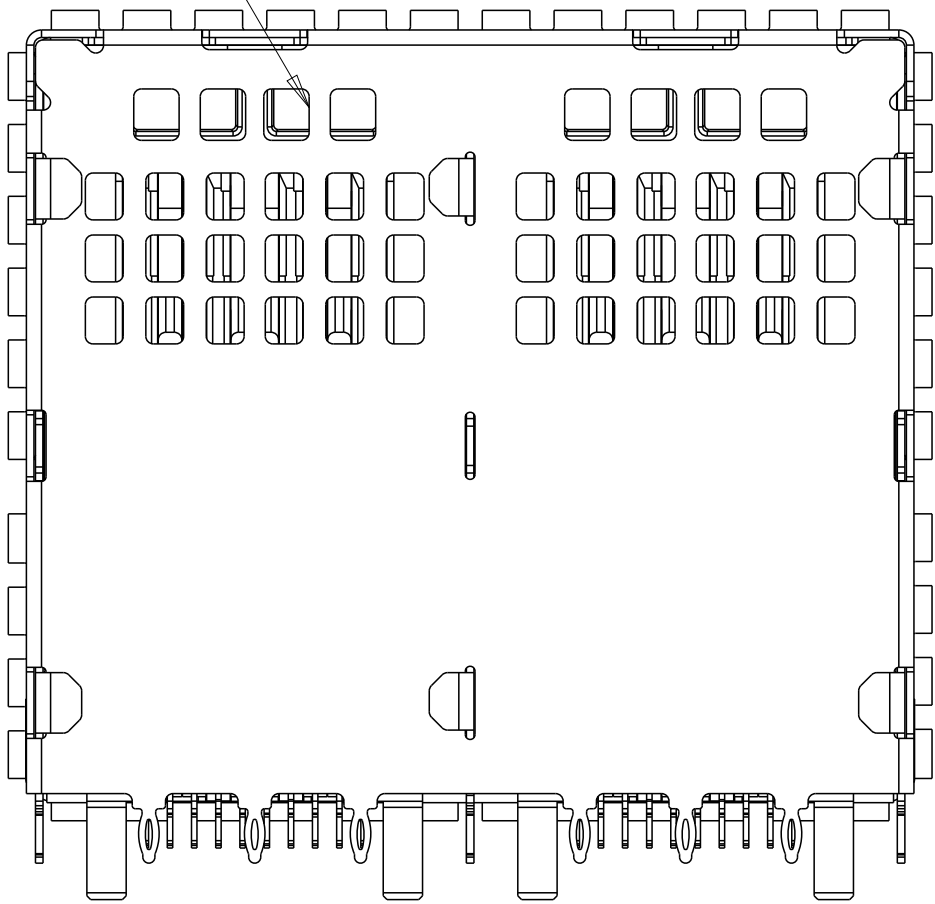
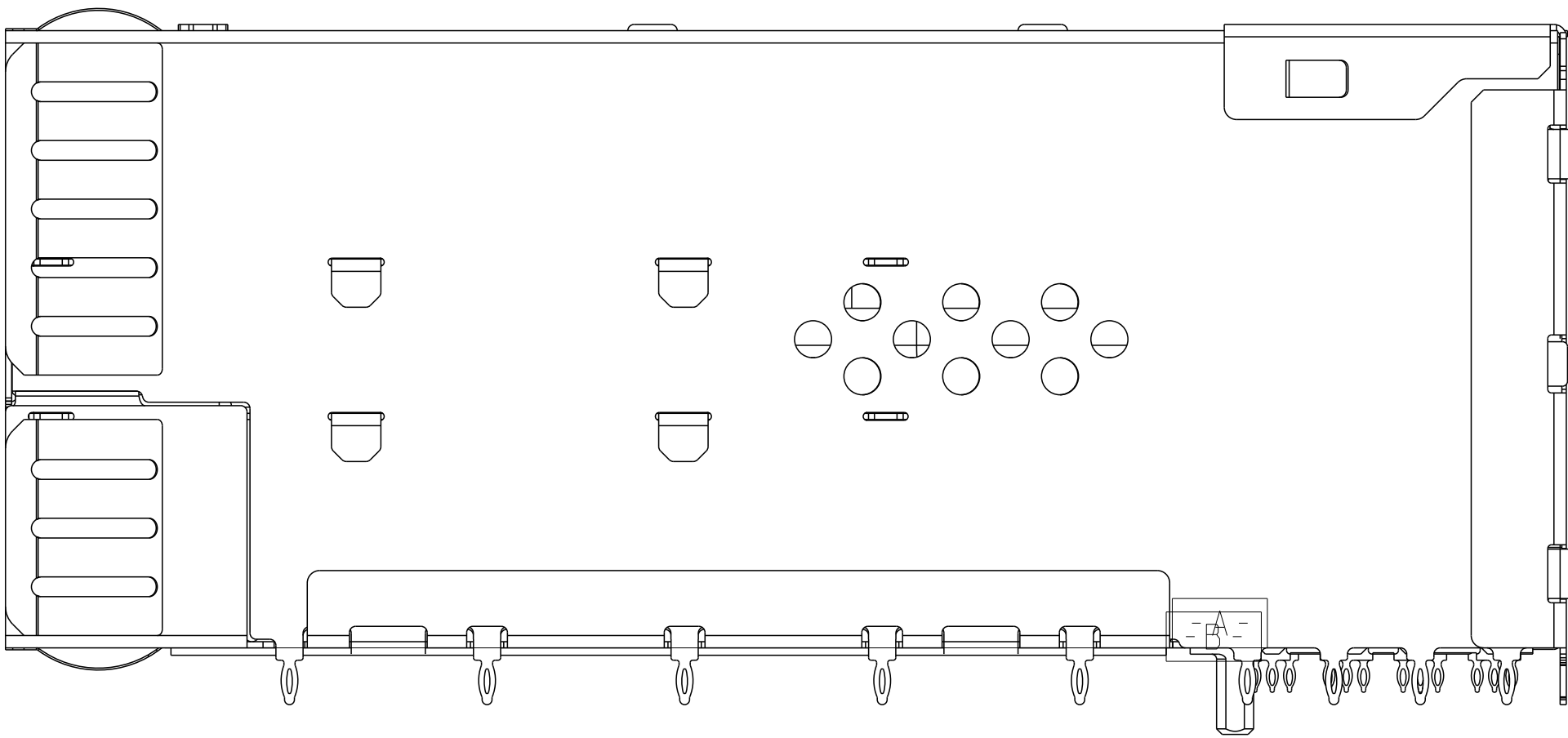
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

5-2343522-9 AIR FLOW ENHANCED VERSION W/ INSULATION TAPE ADDED
UNMARKED DIMENSION SAME AS 3-2343522-3

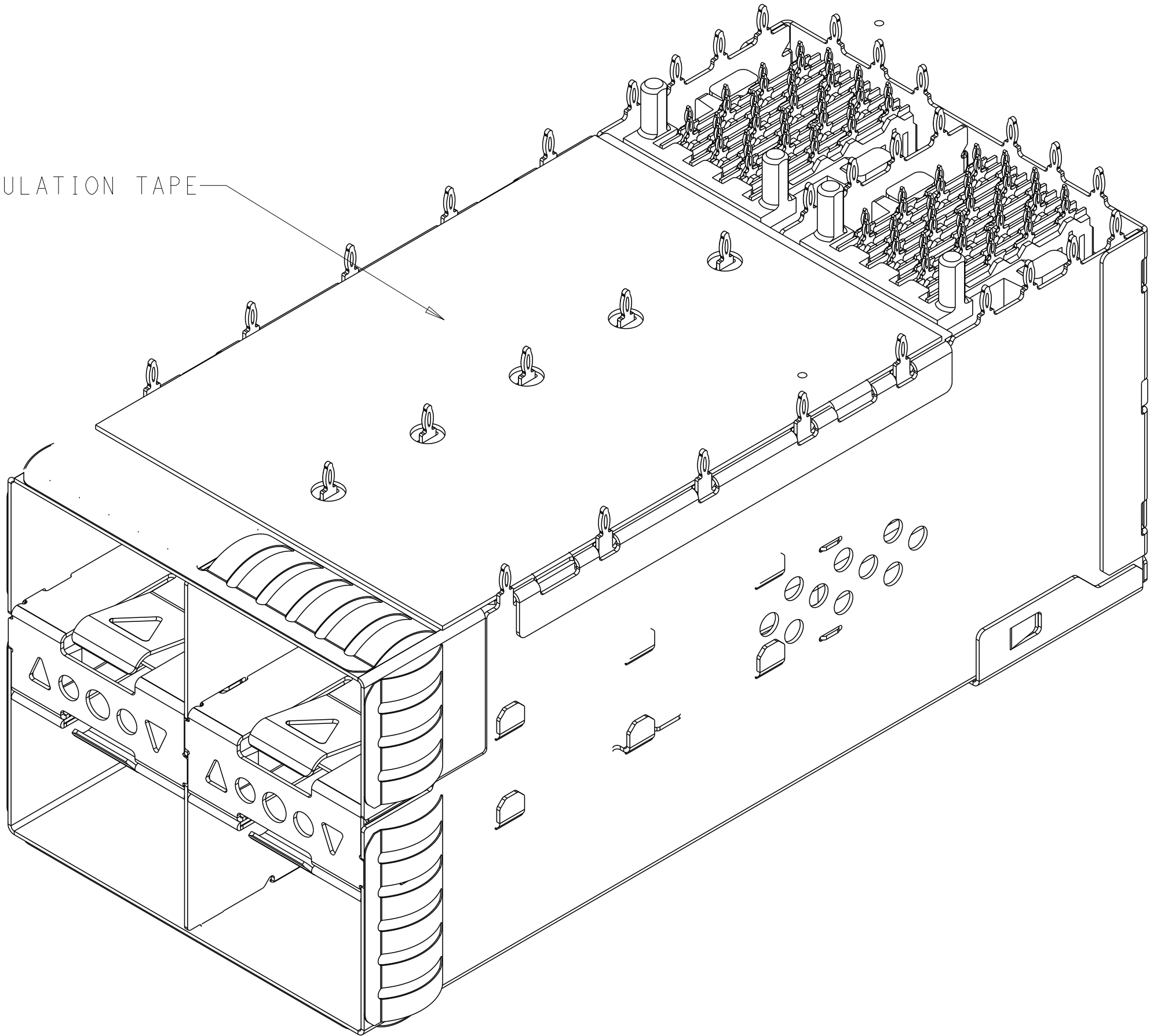
VENT HOLES PATTERN



SCALE 4:1



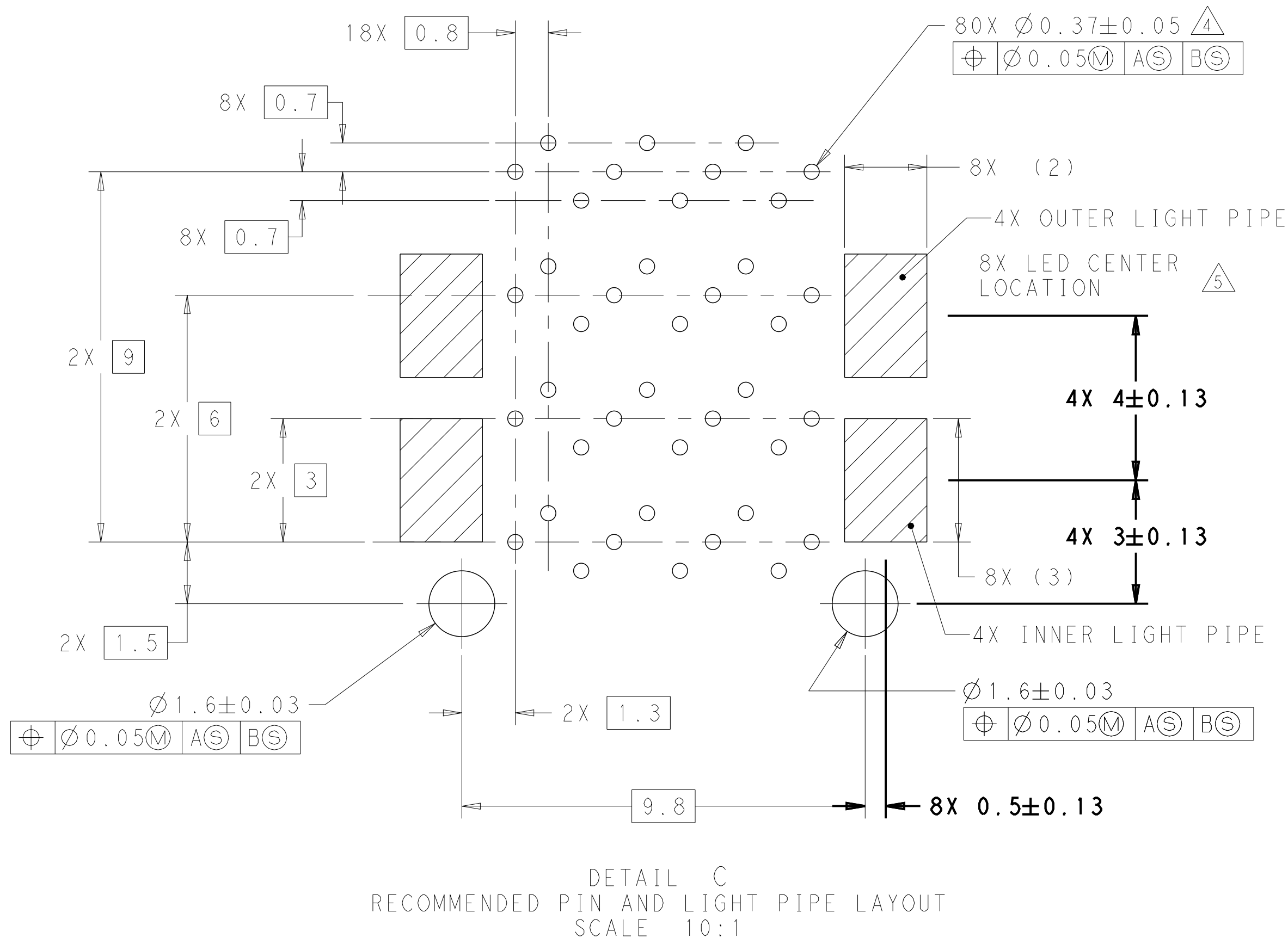
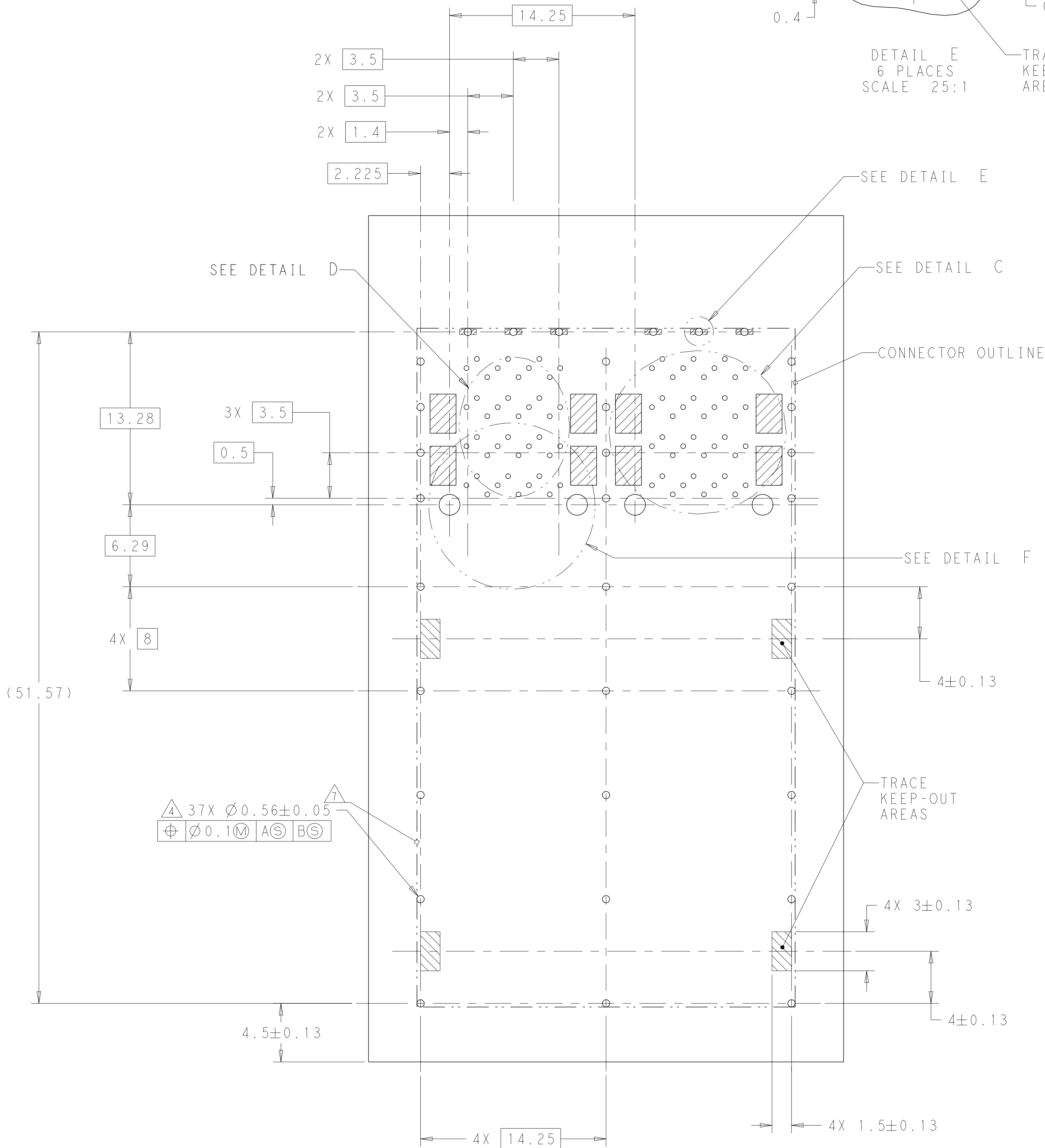
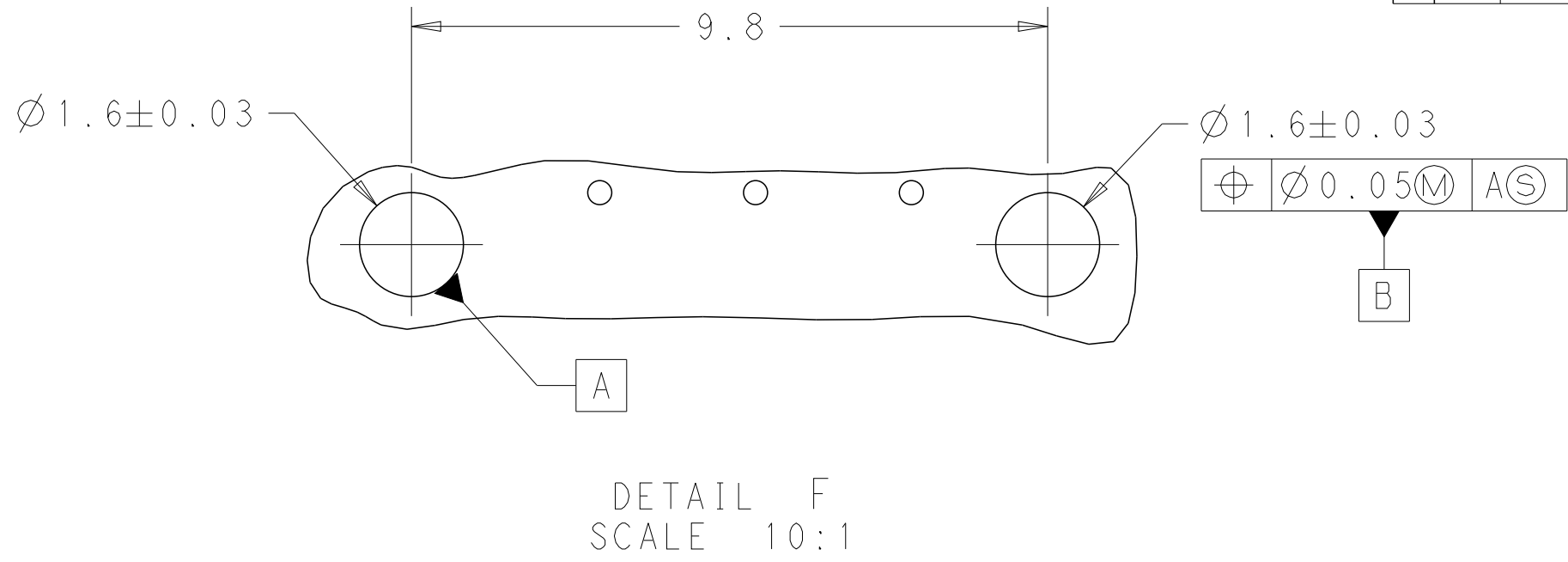
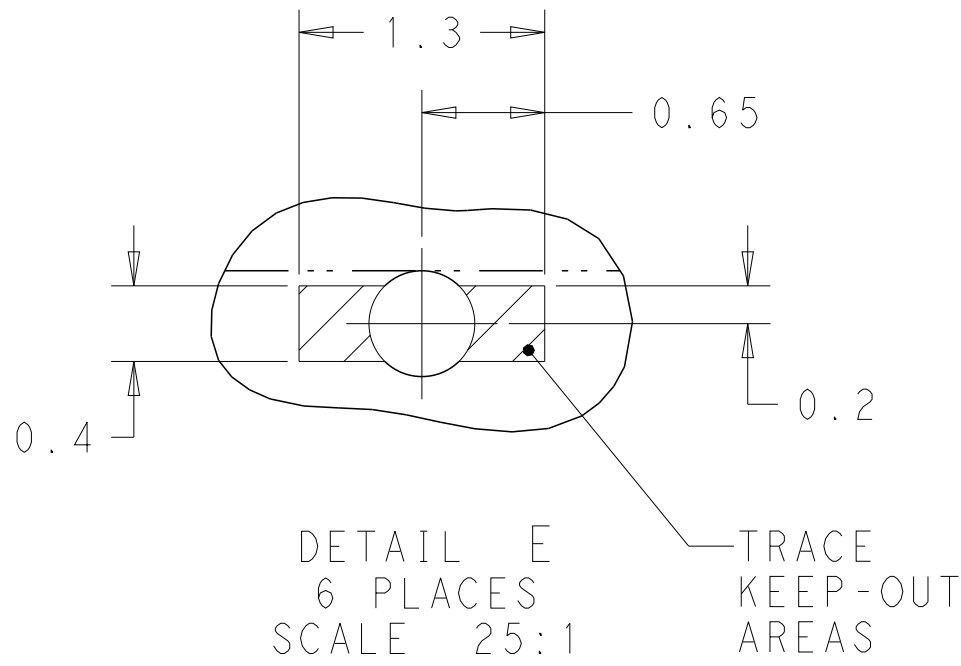
INSULATION TAPE

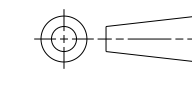


SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: LEO LI 04SEP2018	TE Connectivity	
		CHK: SEAN HAN 04SEP2018		
DIMENSIONS:		APVD: SEAN HAN 04SEP2018	NAME: RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56	
mm		PRODUCT SPEC: 108-2481		
		APPLICATION SPEC: 114-13319	SIZE: A1	
		WEIGHT: -	CAGE CODE: 00779	
MATERIAL: SEE NOTES		CUSTOMER DRAWING	DRAWING NO: 2343522	
		SCALE: 2:1	SHEET 5 OF 7	
		REV: E4		

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	LEO LI	04SEP2018		TE Connectivity						
DIMENSIONS:		CHK	SEAN HAN	04SEP2018								
mm		APVD	SEAN HAN	04SEP2018	NAME	RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56						
		PRODUCT SPEC										
		108-2481										
		APPLICATION SPEC										
		114-13319			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO				
MATERIAL		WEIGHT			A1	00779C=2343522		-				
SEE NOTES		CUSTOMER DRAWING										
TOLERANCES UNLESS OTHERWISE SPECIFIED:					SCALE	2:1	SHEET	6	OF	7	REV	E4
0 PLC		±0.25										
1 PLC		±0.25										
2 PLC		±0.25										
3 PLC		±0.25										
4 PLC		±0.25										
ANGLES		±5°										
FINISH												
SEE NOTES												

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

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

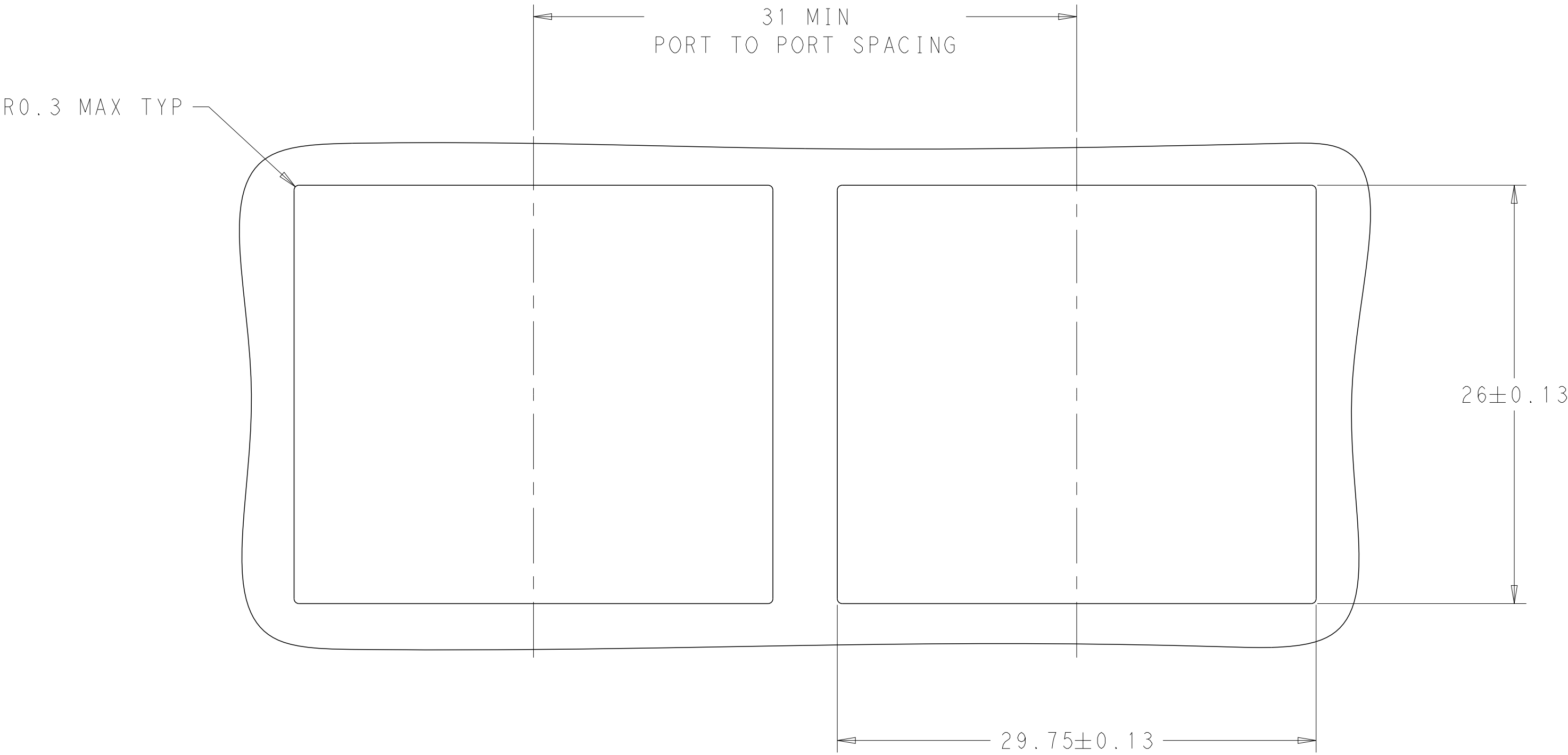
T2○ T5○ T8○
T1○ T4○ T7○ T10○
T3○ T6○ T9○

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

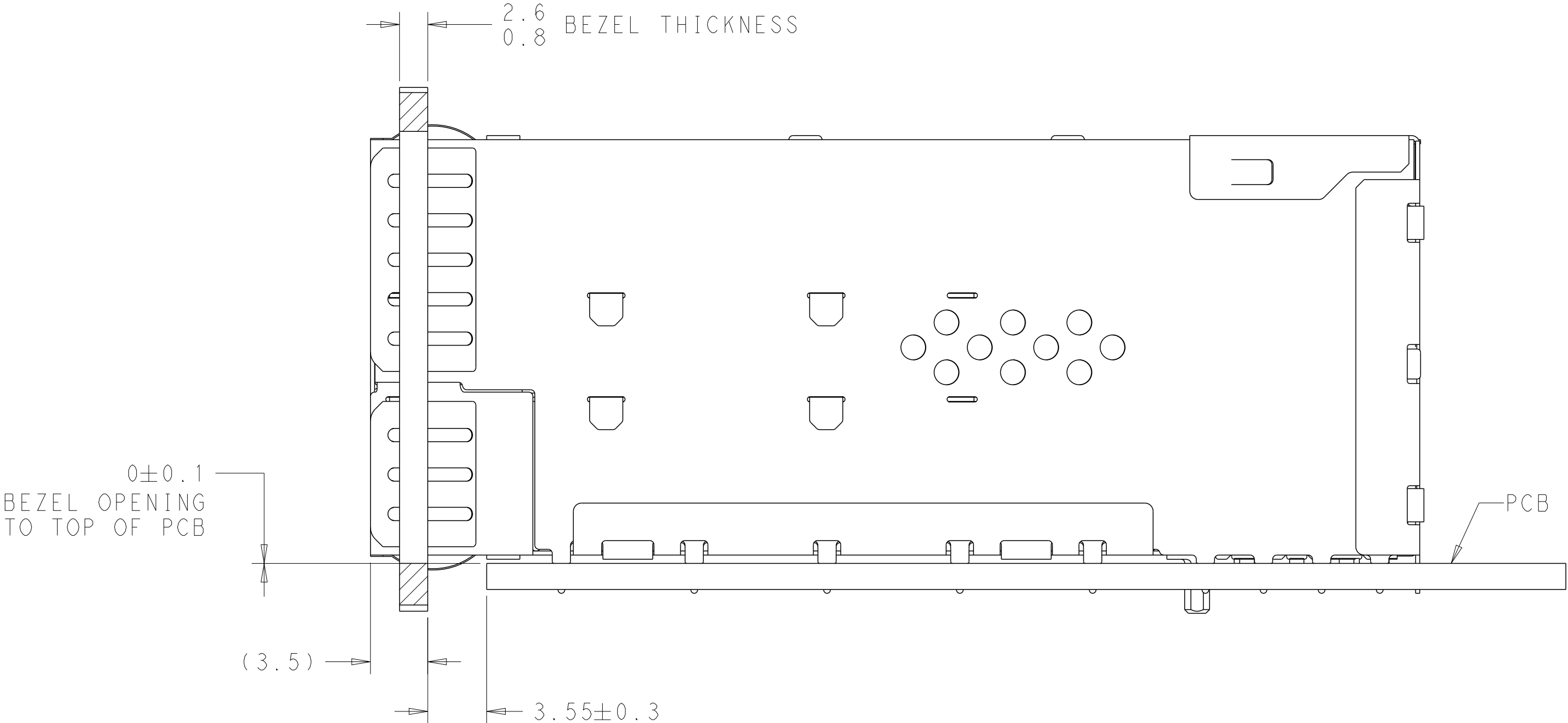
L12○ L15○ L18○
L11○ L14○ L17○ L20○
L13○ L16○ L19○

DETAIL D
PIN MAP
2 PLACES
SCALE 15:1

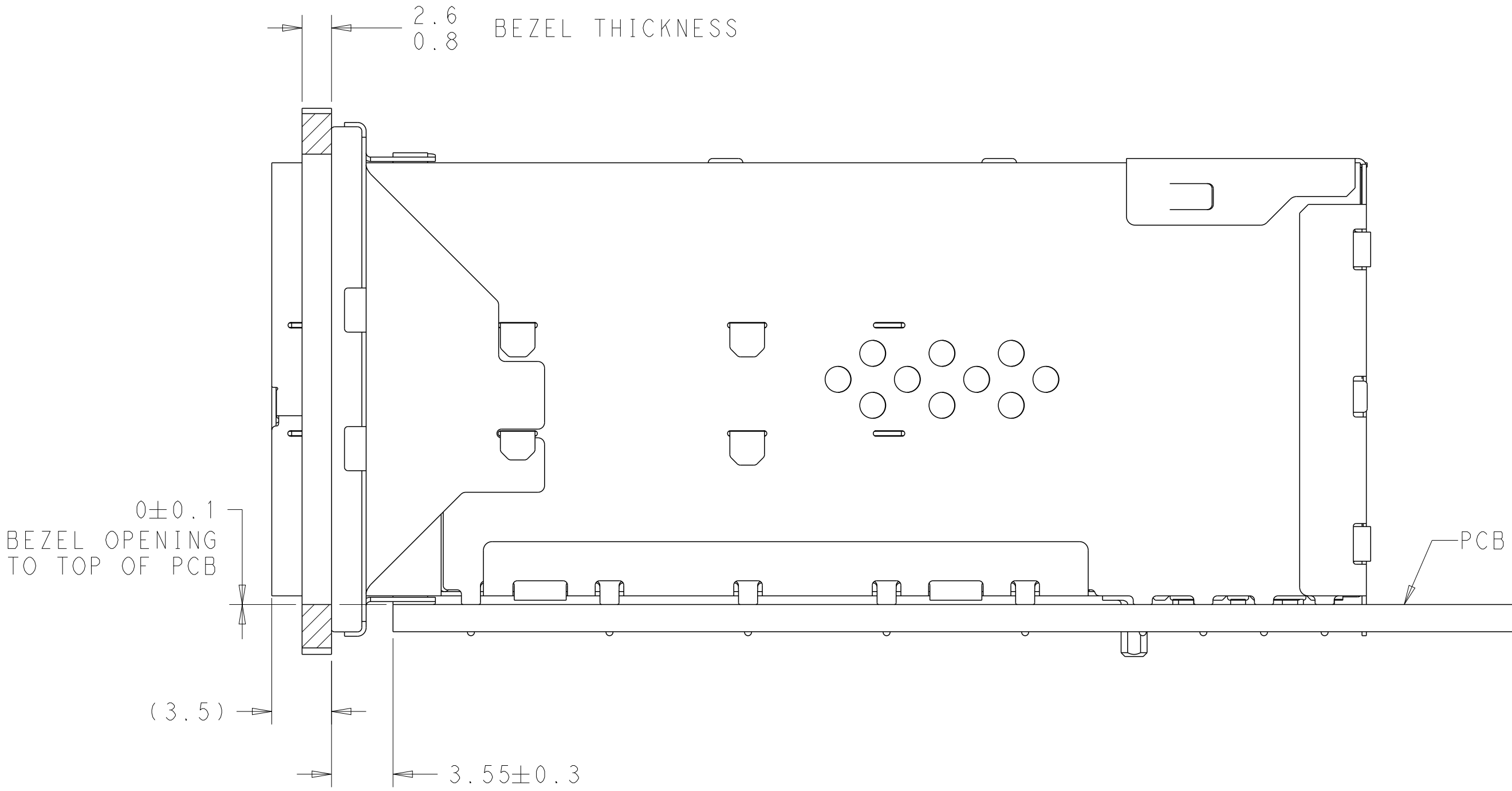
PIN MAP LEGEND	
PIN NUMBER	FUNCTION
L1/T1	VEET
L2/T2	TX-FAULT
L3/T3	TX-DISABLE
L4/T4	SDA
L5/T5	SCL
L6/T6	MOD_ABS
L7/T7	RSO
L8/T8	RX_LOS
L9/T9	RS1
L10/T10	VEER
L11/T11	VEER
L12/T12	RD-
L13/T13	RD+
L14/T14	VEER
L15/T15	VCCR
L16/T16	VCCT
L17/T17	VEET
L18/T18	TD+
L19/T19	TD-
L20/T20	VEET



RECOMMENDED BEZEL CUT-OUT DETAIL
SCALE 4:1



RECOMMENDED BEZEL LOCATION WITH EMI SPRINGS
SCALE 4:1



RECOMMENDED BEZEL LOCATION WITH EMI GASKET
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	LEO LI	04SEP2018	TE Connectivity								
DIMENSIONS:	mm	CHK	SEAN HAN	04SEP2018									
		APVD	SEAN HAN	04SEP2018									
		PRODUCT SPEC											
		108-2481			NAME	RECEPTACLE ASSEMBLY, 2X2, STACKED, SFP56							
		APPLICATION SPEC											
		114-13319											
		WEIGHT											
MATERIAL		SEE NOTES			SIZE			RESTRICTED TO					
					CAGE CODE								
					DRAWING NO								
					SCALE								
					SHEET								
					OF								
					REV								