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RELEASED FOR PUBLICATION

20

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LOC

DIST

GP

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REV

LYR

DESCRIPTION

DATE

DWN

APVD

A

RELEASED PER ECO-14-008758

12JUN2014

CJV

PAR

B

REVISED PER ECO-15-010819

10AUG2015

PP

SH

C

REVISED PRE ECO-16-004263

18MAR2016

KQ

SH

CAGE ASSEMBLY

GASKET FLANGE

EMI GASKET

CONTACT CHICKLET

CHICKLET ALIGNMENT CLIP

RECEPTACLE HOUSING

RECEPTACLE HOUSING SHIELD

2180324-1

SCALE 4:1

EMI SPRINGS

2180324-5

SCALE 4:1

INNER/OUTER LIGHT PIPES

2180324-2, 2180324-6

SCALE 4:1

INNER LIGHT PIPES

2180324-3, 2180324-7

SCALE 4:1

OUTER LIGHT PIPES

2180324-4, 2180324-8

SCALE 4:1

CENTER/REVERSED OUTER

1-2180324-7, 1-2180324-9

SCALE 4:1

REVERSED OUTER LIGHT PIPES

1-2180324-8, 2-2180324-0

SCALE 4:1

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:
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

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

59.5	EMI SPRING AIRFLOW ENHANCE TYPE	CENTER/REVERSED OUTER	3-2180324-2
59.5	EMI SPRING AIRFLOW ENHANCE TYPE	NONE	3-2180324-1
62.25	EMI GASKET AIRFLOW ENHANCE TYPE	NONE	3-2180324-0
59.5	EMI SPRINGS	REVERSED OUTER	2-2180324-0
		CENTER/REVERSED OUTER	1-2180324-9
62.25	EMI GASKET	REVERSED OUTER	1-2180324-8
		CENTER/REVERSED OUTER	1-2180324-7
59.5	EMI SPRINGS	OUTER	2180324-8
		INNER	2180324-7
		INNER/OUTER	2180324-6
		NONE	2180324-5
62.25	EMI GASKET	OUTER	2180324-4
		INNER	2180324-3
		INNER/OUTER	2180324-2
		NONE	2180324-1
(E)	CAGE TYPE	LIGHT PIPE CONFIGURATION	PART NUMBER

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DWN

CM

M. E. CONWHER

14SEP2011

DIMENSIONS:

mm

0 PLC ±0.13

1 PLC ±0.13

2 PLC ±0.13

3 PLC ±0.13

4 PLC ±0.13

ANGLES ±0.13

FINISH

MATERIAL SEE NOTES

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

PRODUCT SPEC

108-2481

APPLICATION SPEC

114-13319

WEIGHT

Customer Drawing

APVD

M. D. MORRISON

25OCT2011

NAME

RECEPTACLE ASSEMBLY, 2X4,
STACKED, zSFP+

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

©=2180324

SHEET

1

OF

7

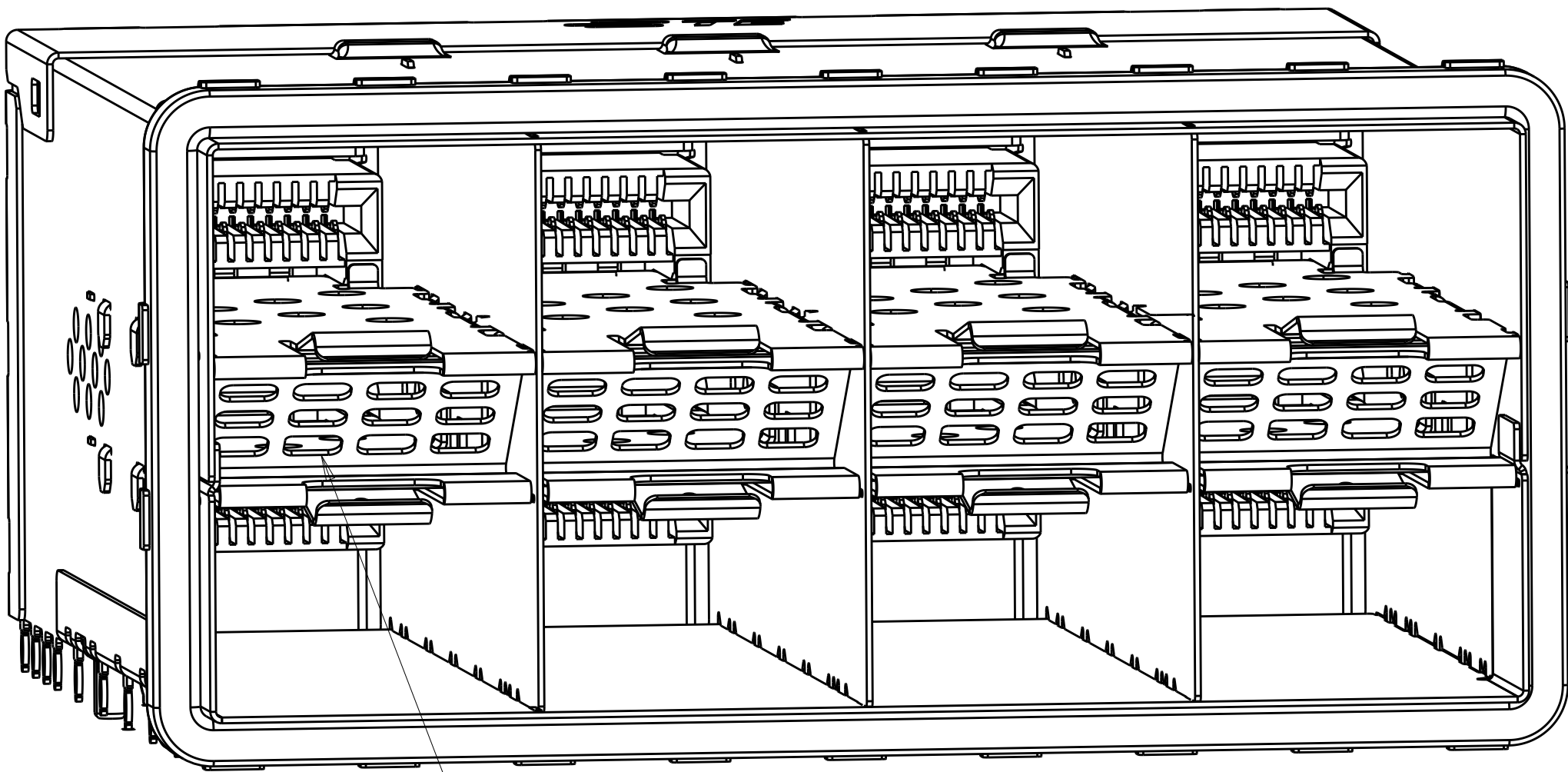
REV

C

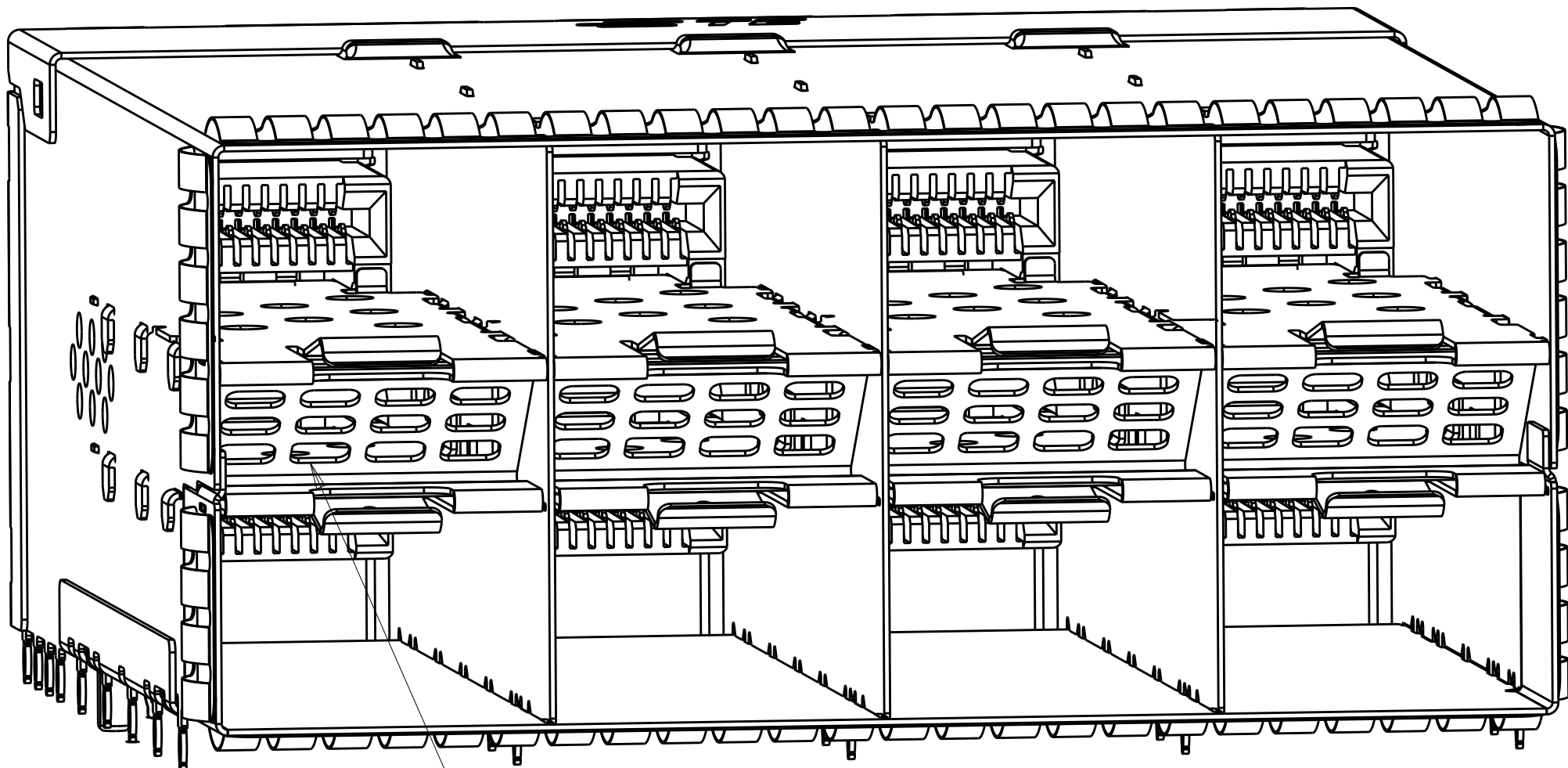
4805 (3/11)

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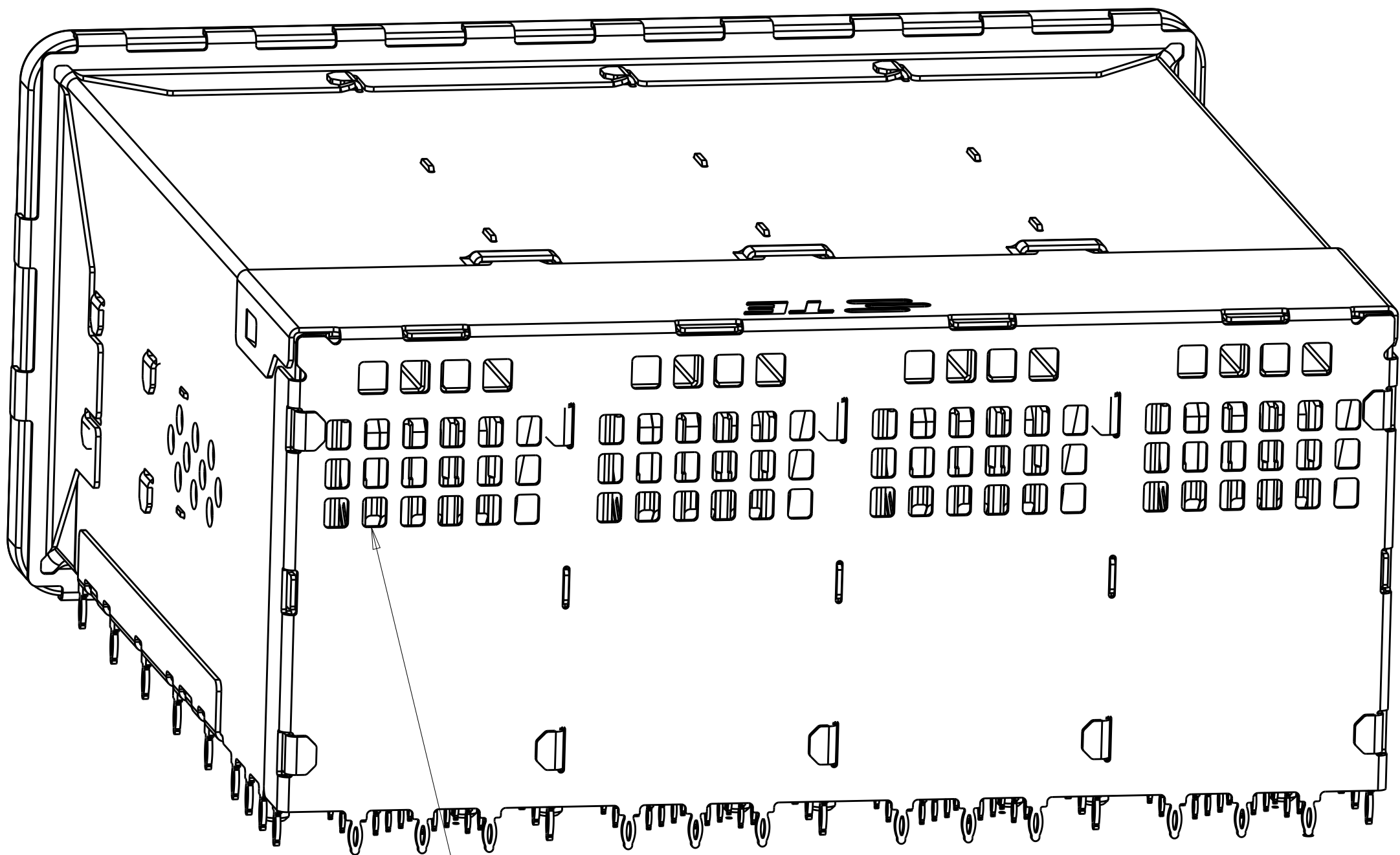
AIRFLOW ENHANCE W/O LP TYPE



AIR VENTS

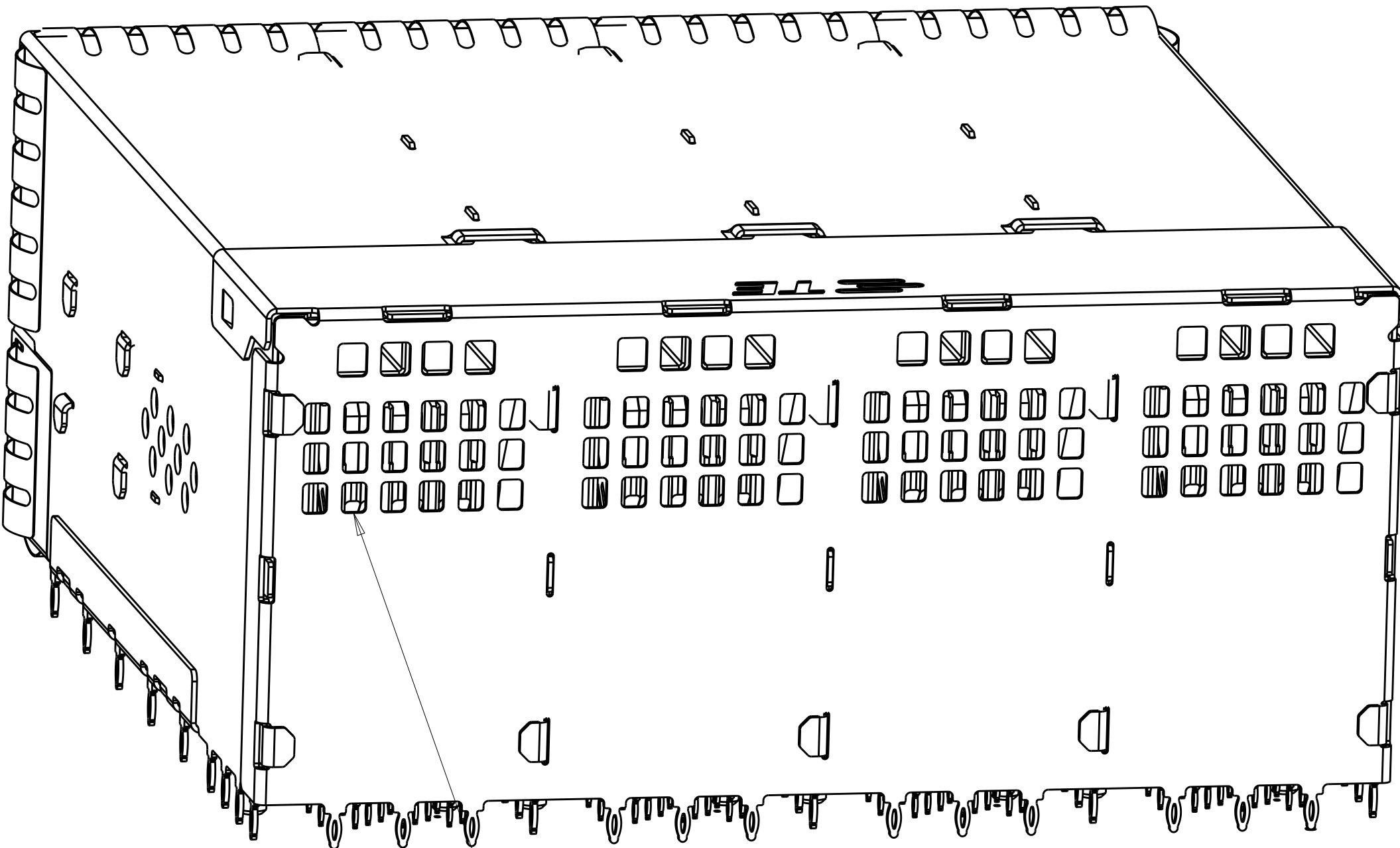


AIR VENTS



AIR VENTS

3-2180324-0
EMI GASKET TYPE



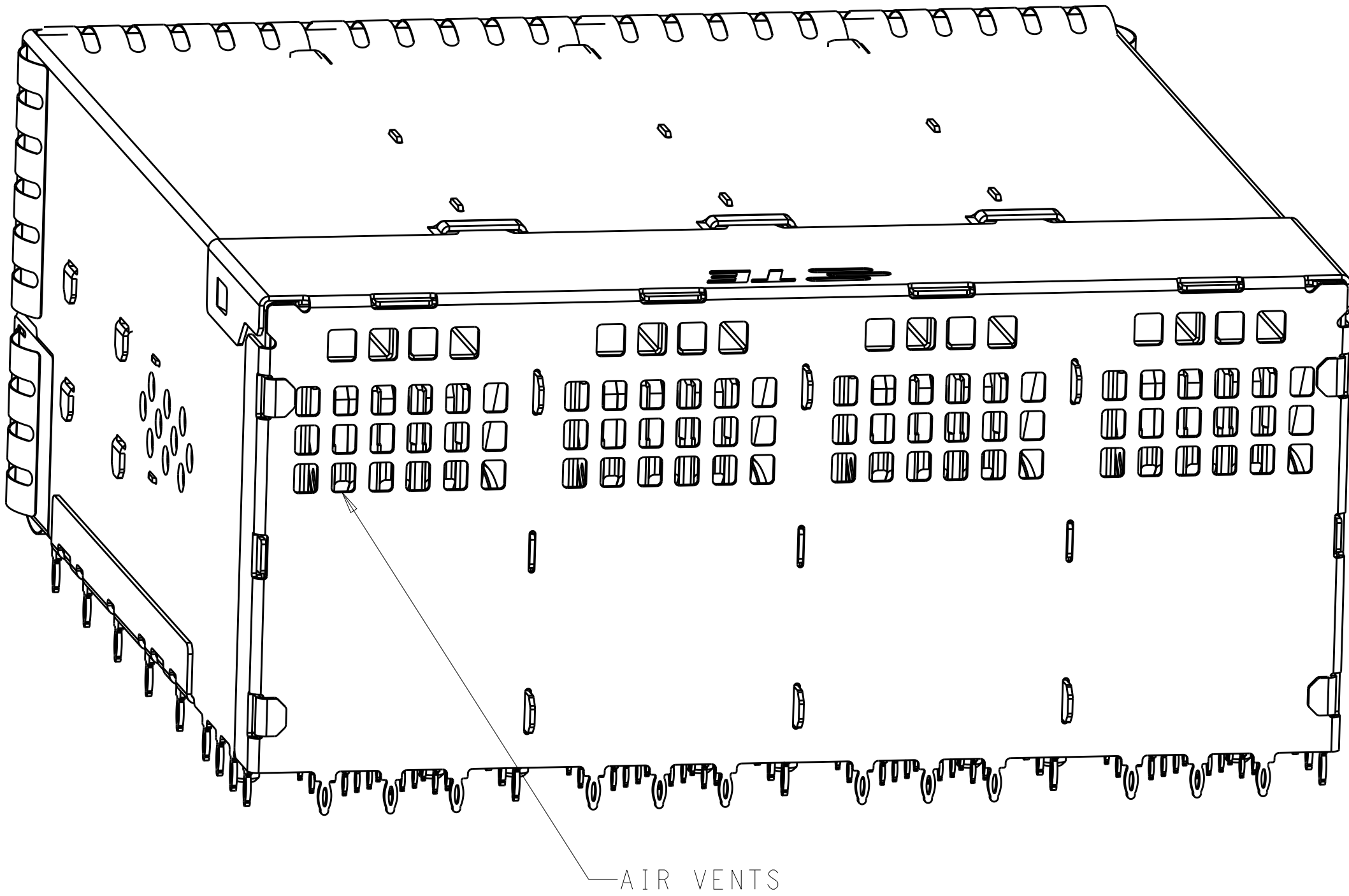
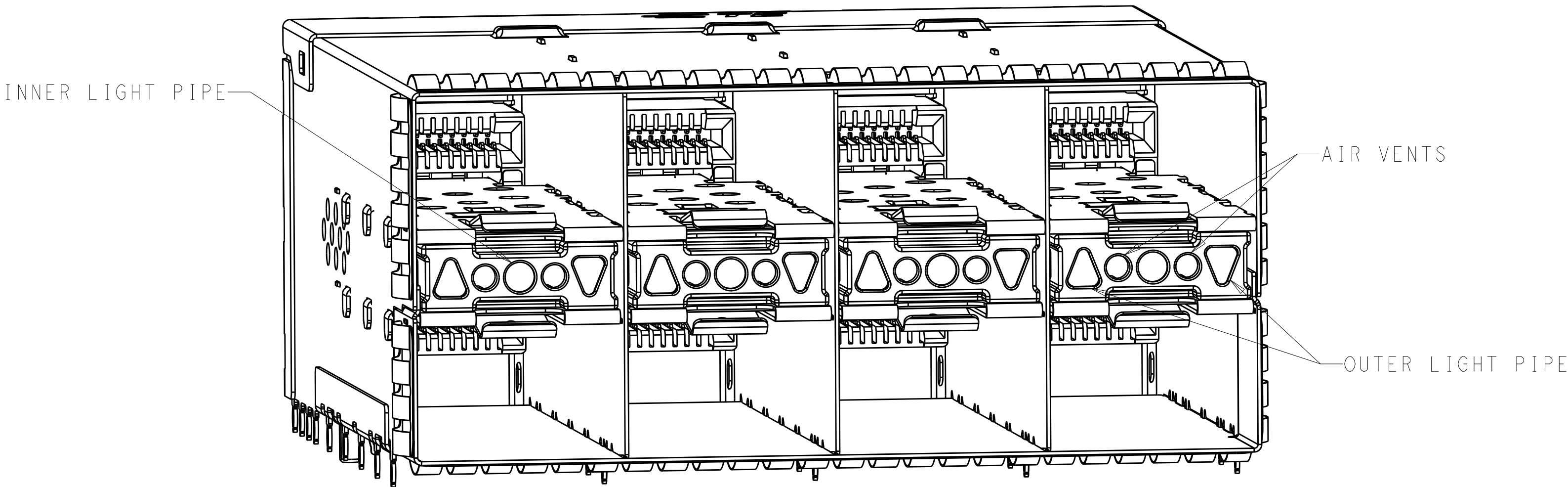
AIR VENTS

3-2180324-1
EMI SPRING TYPE

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	M.E. CONNER	14SEP2011	TE Connectivity		
				CHK	M.D. MORRISON	16SEP2011			
				APVD	M.D. MORRISON	25OCT2011	NAME		
				PRODUCT SPEC			RECEPTACLE ASSEMBLY, 2X4, STACKED, zSFP+		
				APPLICATION SPEC			SIZE		
				WEIGHT			A100779C=2180324		
				Customer Drawing			SCALE		
							1:1		
							SHEET		
							2		
							OF		
							7		
							REV		
							C		

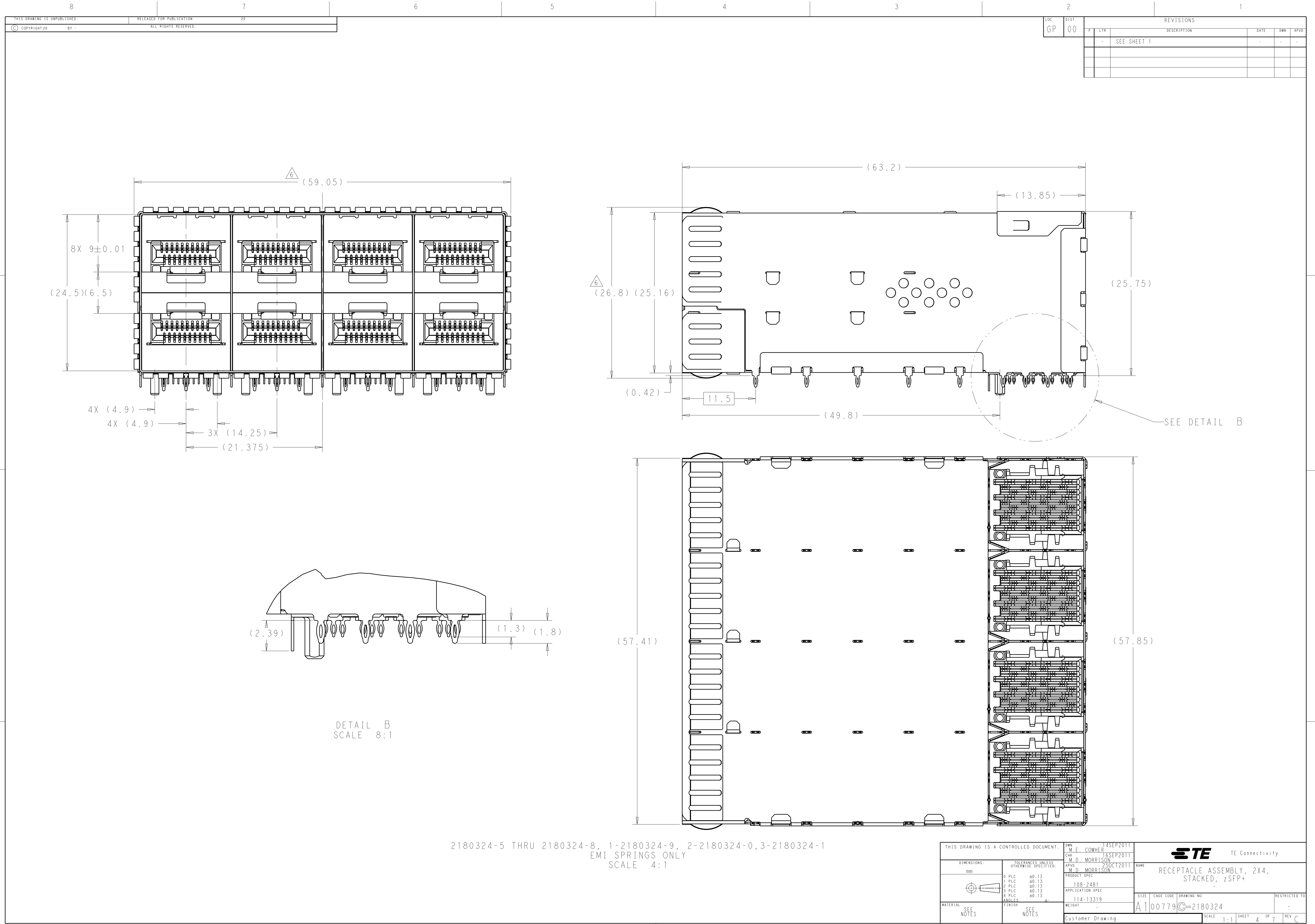
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GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

AIRFLOW ENHANCE W/ LP TYPE



3-2180324-2
EMI SPRING W/ LP TYPE

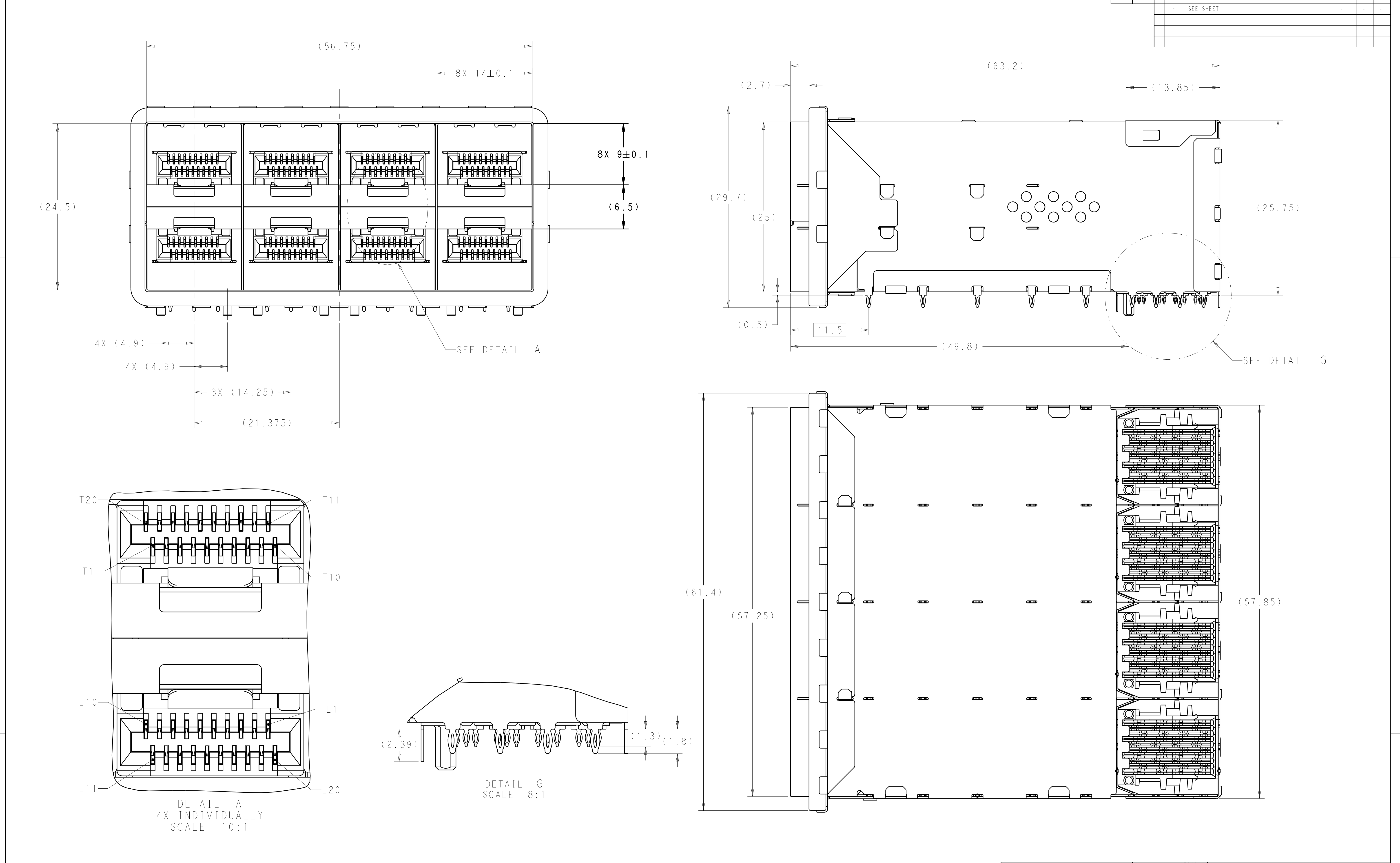
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONNER	14SEP2011	 TE Connectivity	
		CHK M.D. MORRISON	16SEP2011		
DIMENSIONS:		APVD M.D. MORRISON	25OCT2011	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, zSFP+	
mm		PRODUCT SPEC			
		108-2481		SIZE A100779C=2180324	
		APPLICATION SPEC			
		114-13319			
		WEIGHT			
MATERIAL SEE NOTES		Customer Drawing		SCALE 1:1	
				SHEET 3	
				OF 7	
				REV C	



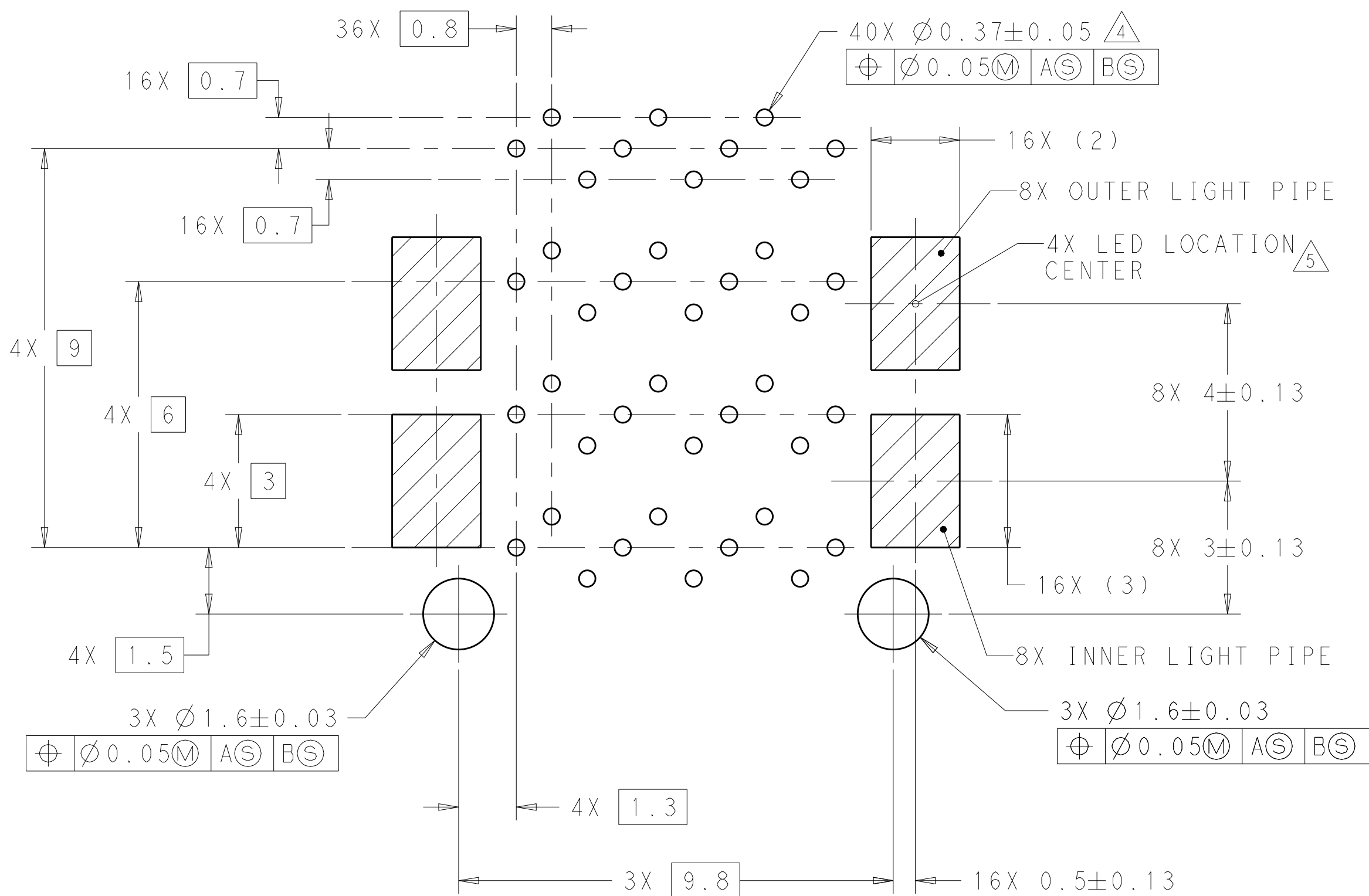
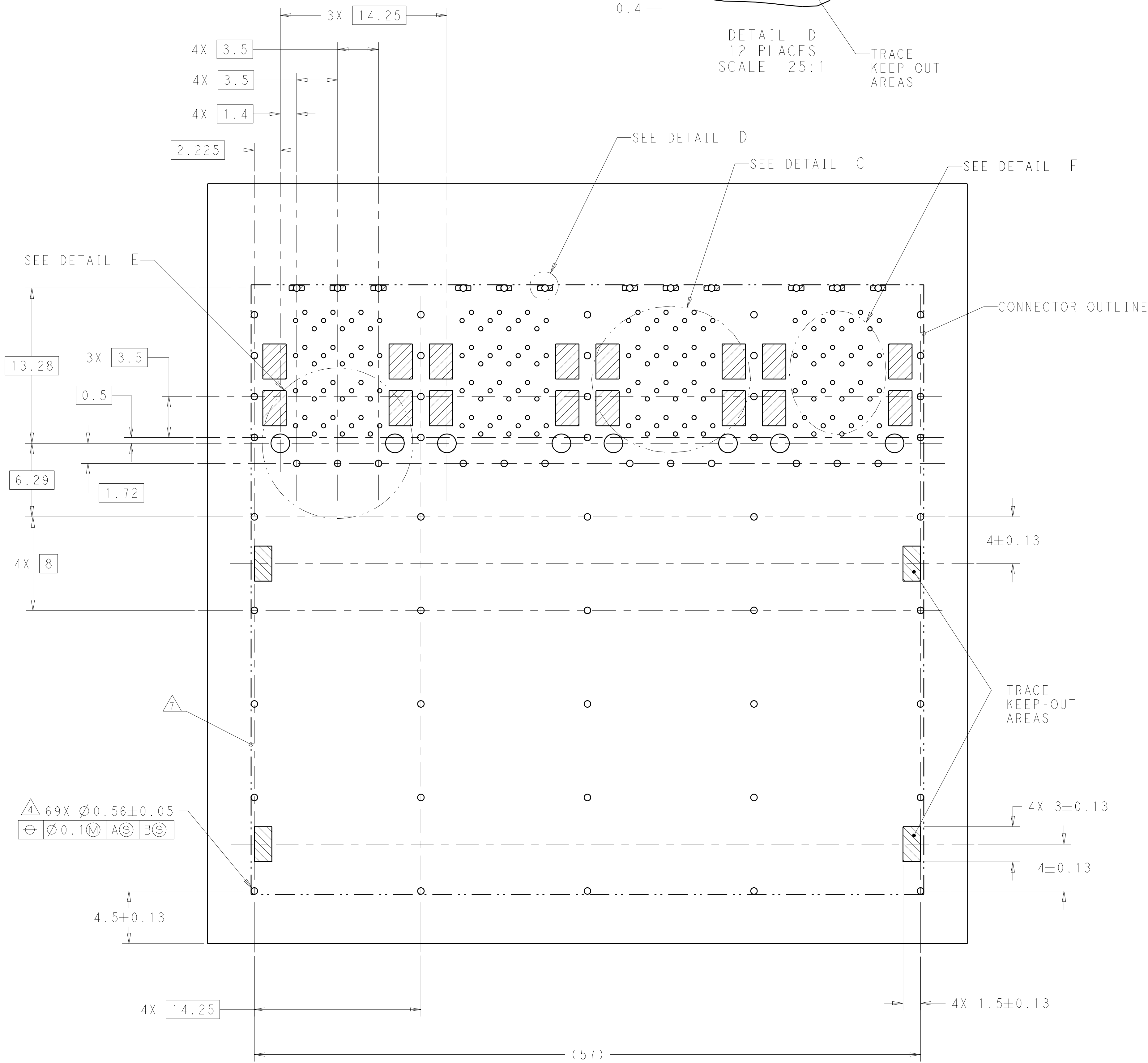
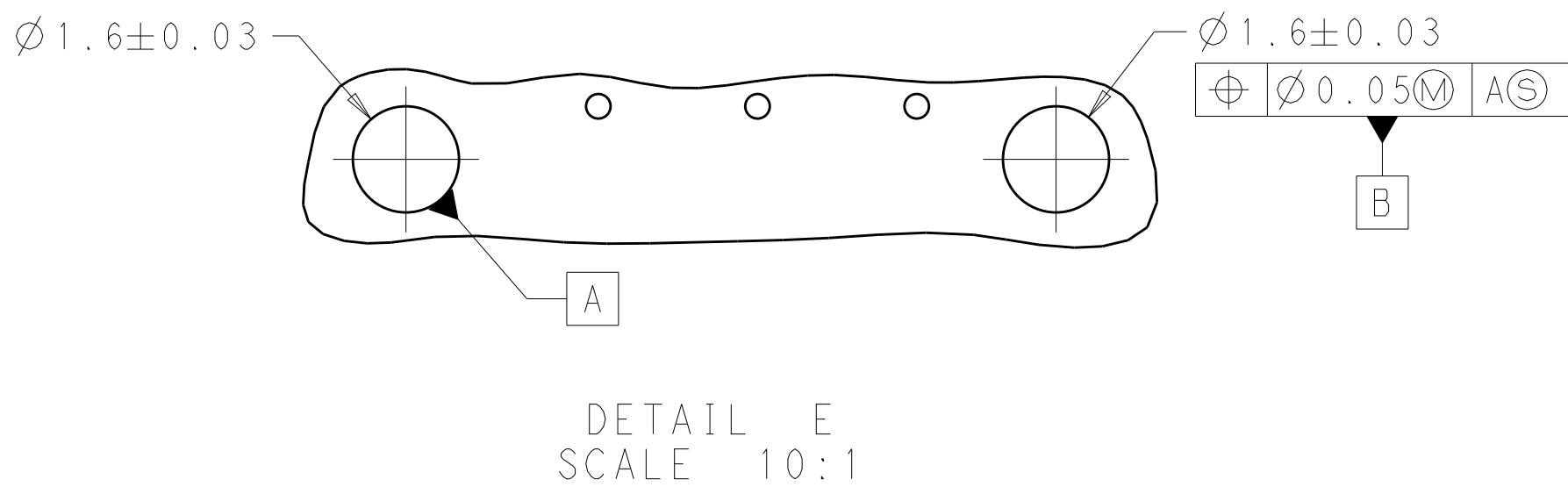
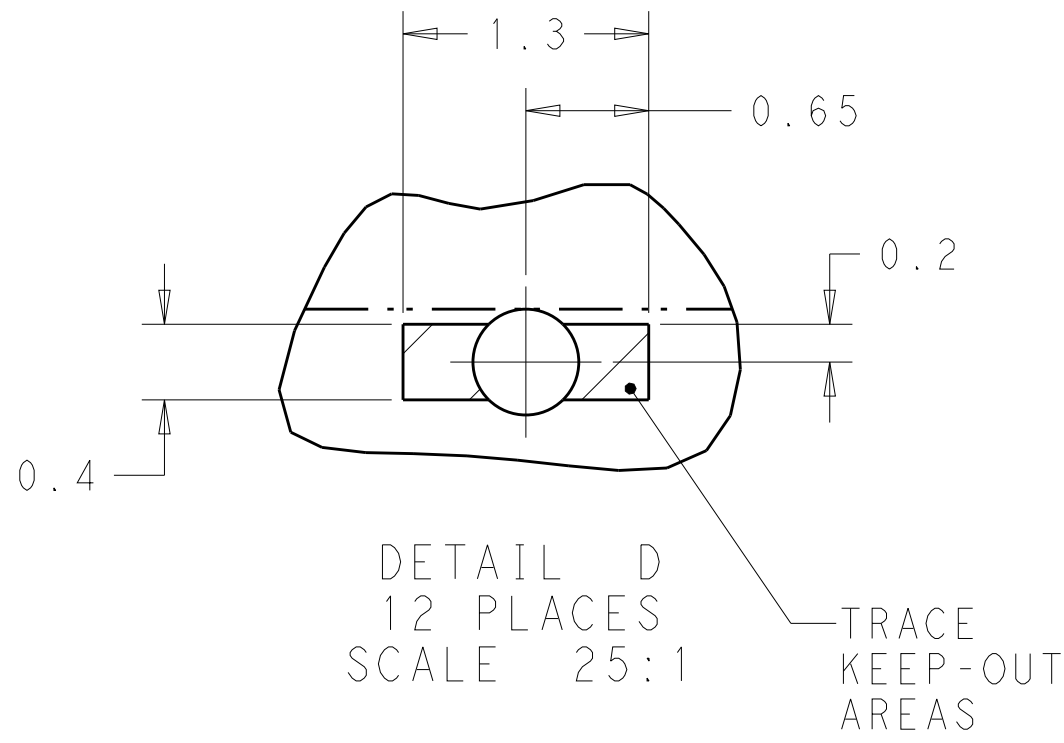
LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-

2180324-5 THRU 2180324-8, 1-2180324-9, 2-2180324-0,3-2180324-1
EMI SPRINGS ONLY
SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	M. E. CONNER	14SEP2011	 TE Connectivity			
		CHK	M. D. MORRISON	16SEP2011				
DIMENSIONS:		APVD	M. D. MORRISON	25OCT2011	NAME			
mm		PRODUCT SPEC			RECEPTACLE ASSEMBLY, 2X4, STACKED, zSFP+			
		108-2481			SIZE			
		APPLICATION SPEC			CAGE CODE			
		114-13319			DRAWING NO			
MATERIAL		WEIGHT			RESTRICTED TO			
SEE NOTES		Customer Drawing			A100779C=2180324			
					SCALE 1:1			
					SHEET 4 OF 7			
					REV C			



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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.E. CONNER 14SEP2011	TE Connectivity	
DIMENSIONS:		CHK M.D. MORRISON 16SEP2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.D. MORRISON 25OCT2011	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, zSFP+	
	0 PLC ±0.13	PRODUCT SPEC	SIZE A100779	
	1 PLC ±0.13	108-2481	CAGE CODE C=2180324	
	2 PLC ±0.13	APPLICATION SPEC	RESTRICTED TO	
	3 PLC ±0.13	114-13319	SCALE 1:1 SHEET 6 OF 7 REV C	
MATERIAL SEE NOTES	FINISH SEE NOTES	WEIGHT -	Customer Drawing	

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

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

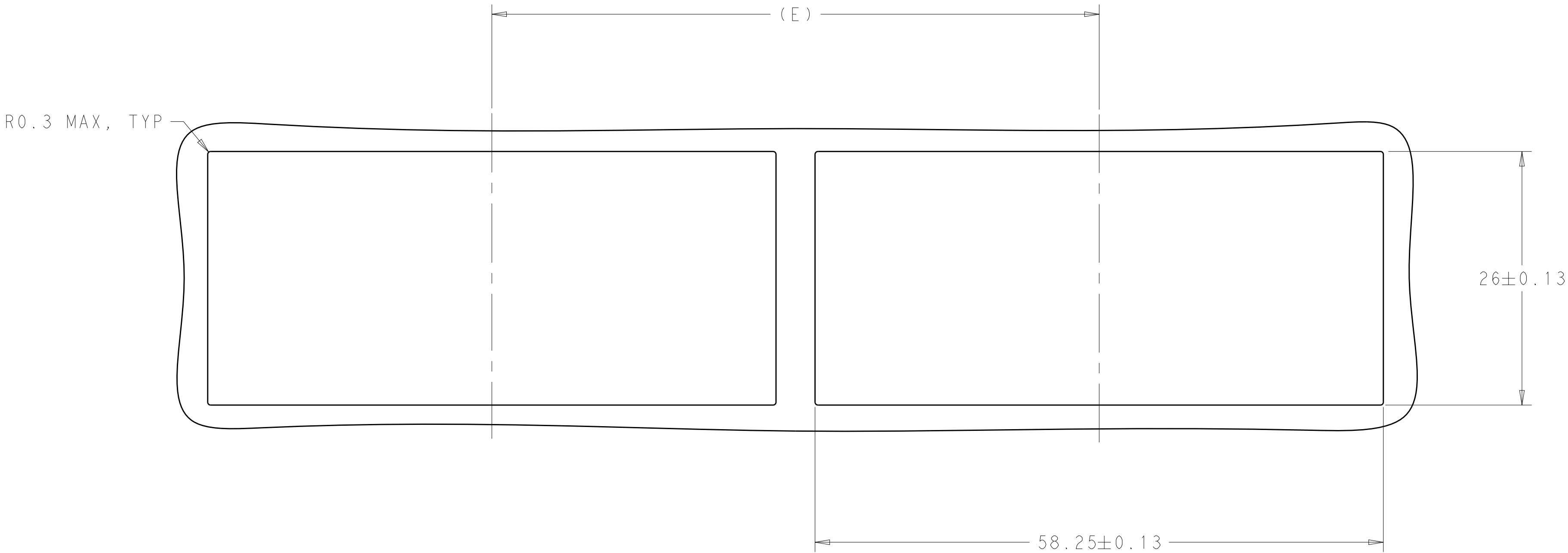
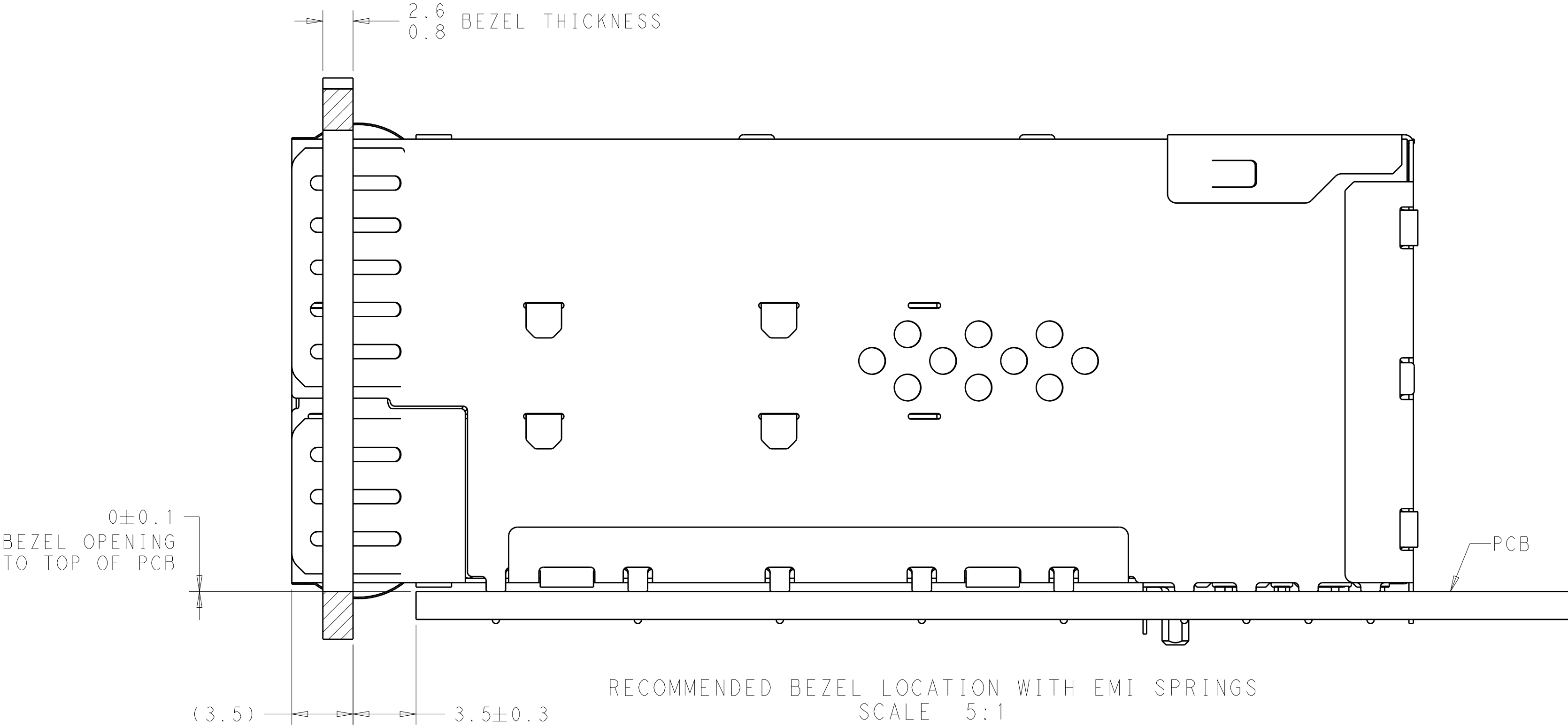
T2○ T5○ T8○
T1○ T4○ T7○ T10○
T3○ T6○ T9○

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

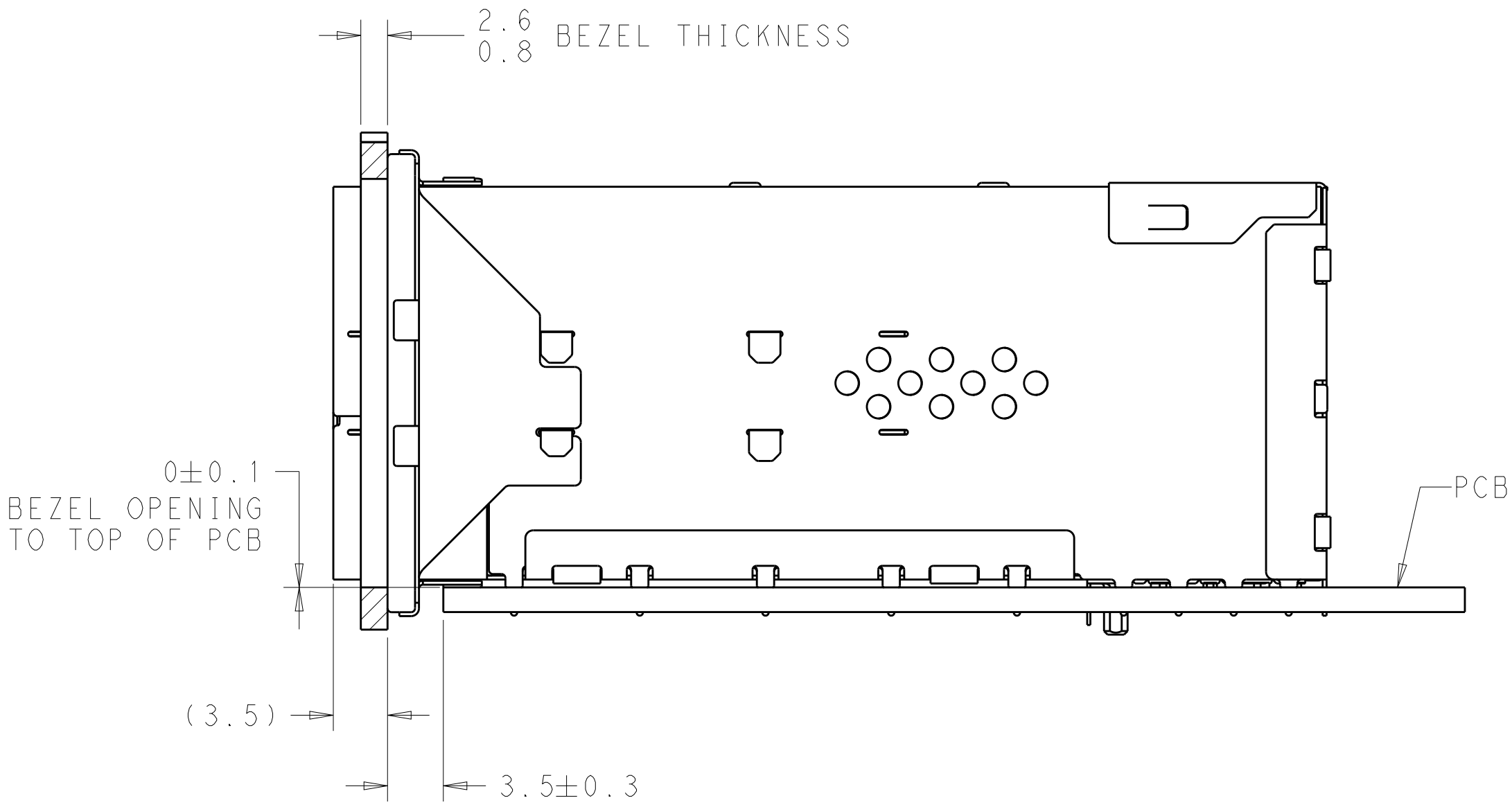
L12○ L15○ L18○
L11○ L14○ L17○ L20○
L13○ L16○ L19○

DETAIL 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 M.D. MORRISON 16SEP2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.D. MORRISON 25OCT2011	NAME RECEPTACLE ASSEMBLY, 2X4, STACKED, zSFP+	
	0 PLC ±0.13	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
	1 PLC ±0.13	APPLICATION SPEC	A100779C=2180324	
MATERIAL SEE NOTES	2 PLC ±0.13	114-13319	RESTRICTED TO	
	3 PLC ±0.13	WEIGHT	-	
FINISH SEE NOTES	4 PLC ±0.13	Customer Drawing	SCALE 1:1 SHEET 7 OF 7 REV C	
	ANGLES			