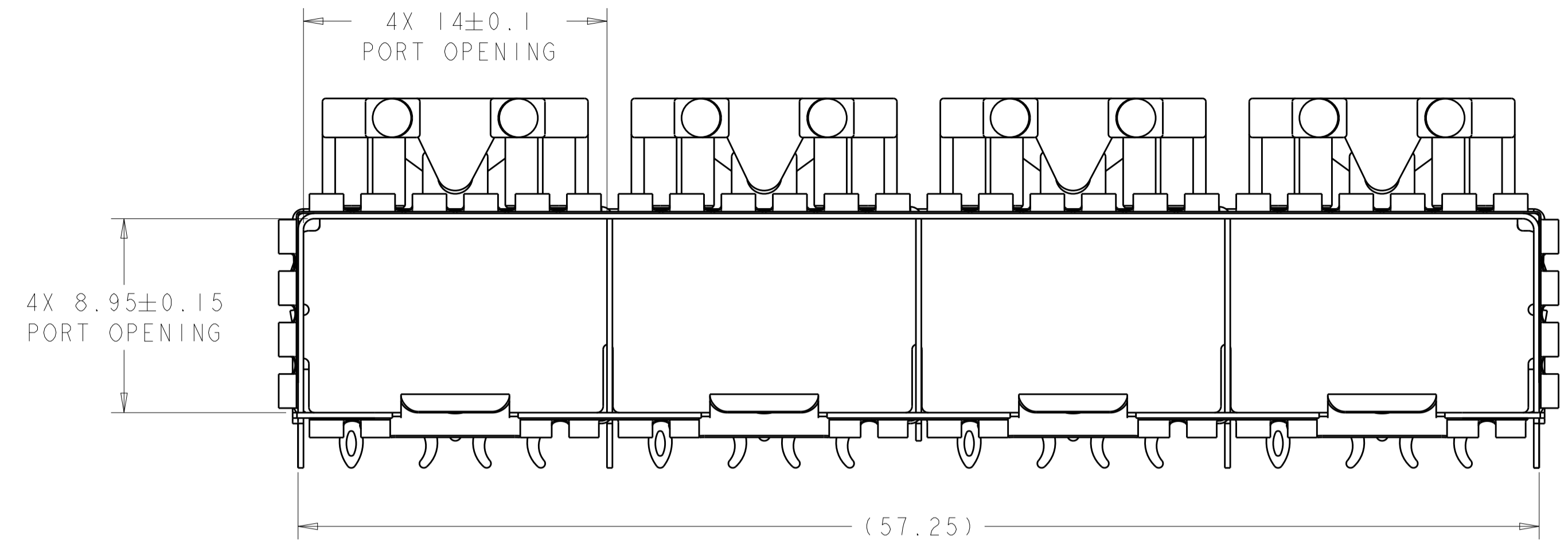
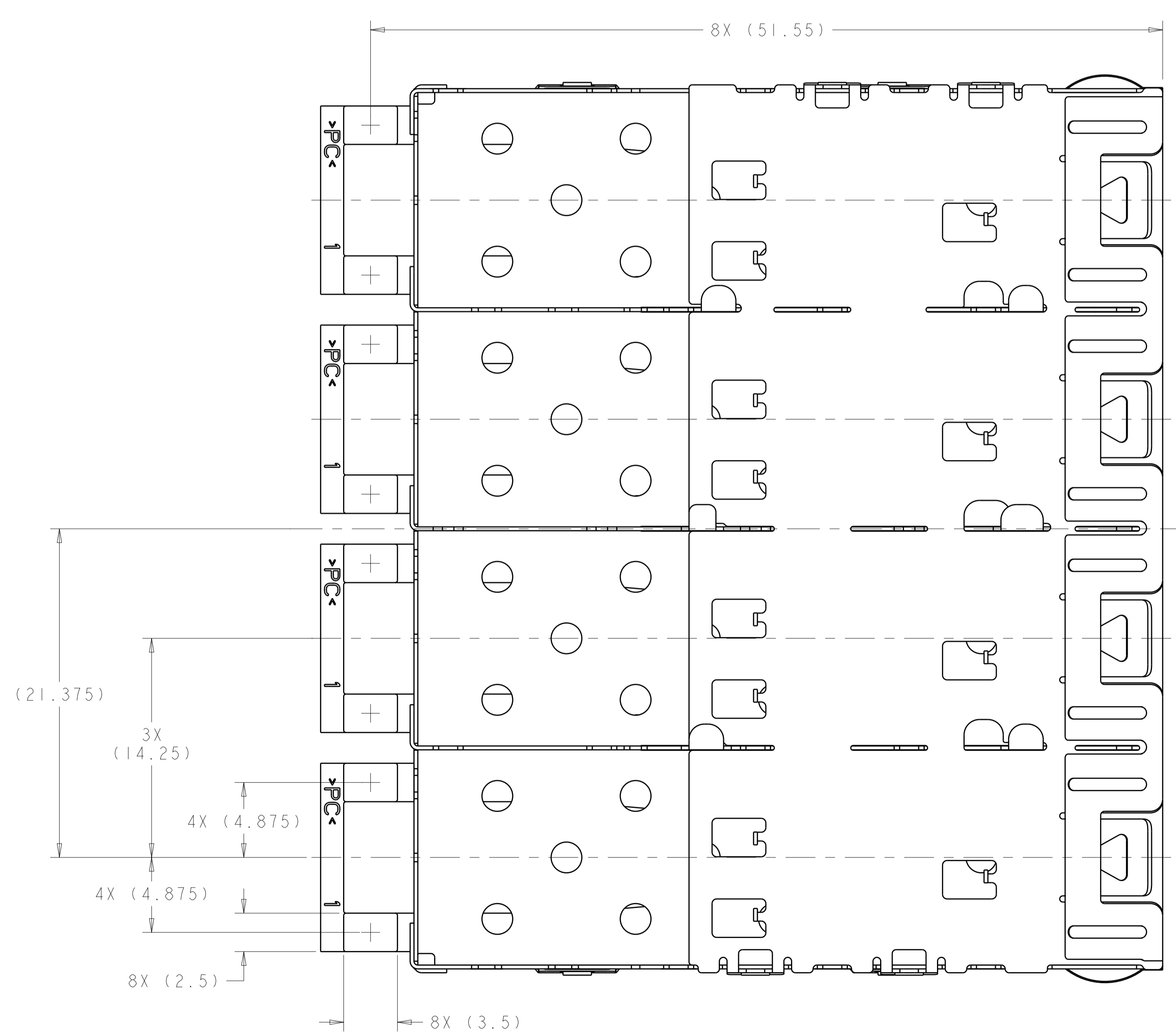
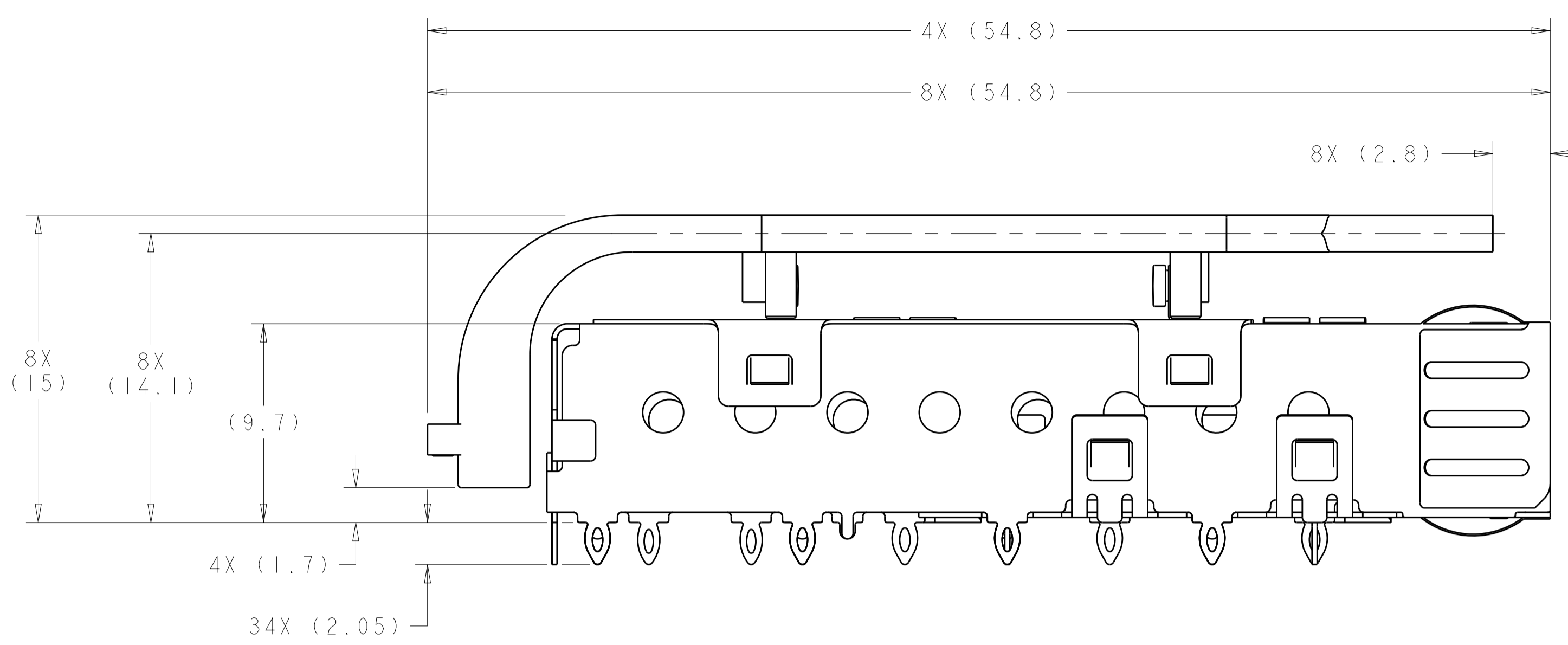
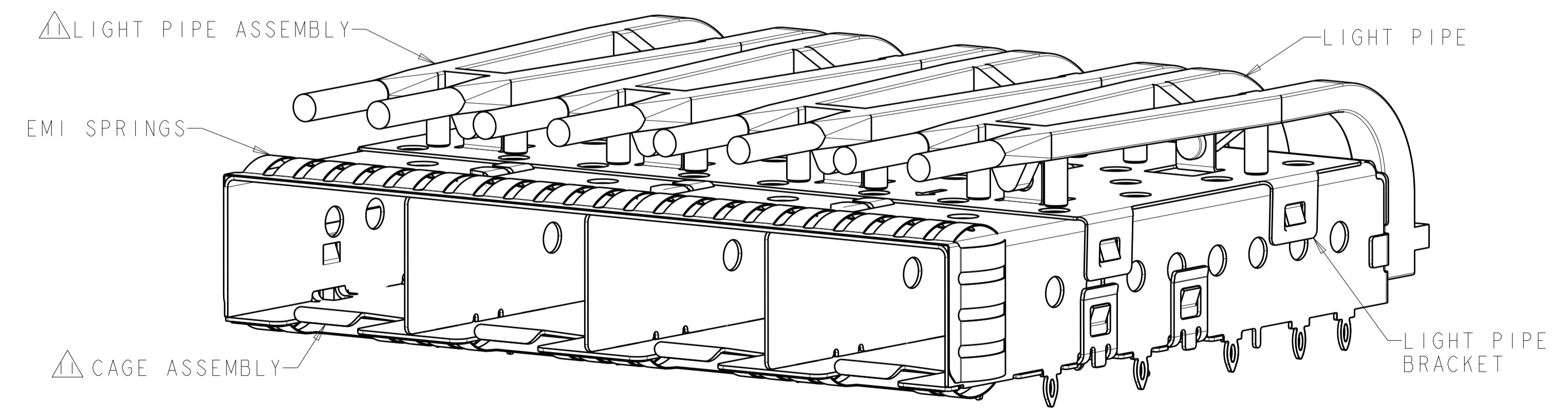


LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
		A		RELEASED PER ECO-14-000529	14JAN2014	JZ	SH



- △ MATERIAL:
 CAGE ASSEMBLY: NICKEL SILVER ALLOY
 EMI SPRINGS: COPPER ALLOY
 LIGHT PIPE BRACKET: STAINLESS STEEL
 LIGHT PIPE: POLYCARBONATE, CLEAR
- △ FINISH:
 SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER A MINIMUM OF 0.8um NICKEL UNDERPLATE.
 NON-PLATED EDGES PERMISSIBLE.
- △ PADS AND VIAS CHASSIS GROUND.
- △ DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- 5. MATES WITH SFP MSA COMPLIANT TRANSCEIVERS.
- 6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OF ASME Y14.5M-1994.
- △ REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- △ REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- △ HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
- △ MINIMUM PC BOARD THICKNESS:
 SINGLE SIDED = 1.5mm
 DOUBLE SIDED = 2.25mm
- △ LIGHT PIPE ASSEMBLY SHIPPED UNASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY TO BE PRESSED INTO THE PCB PRIOR TO ATTACHING THE LIGHT PIPE ASSEMBLY TO THE CAGE.
- 12. CERTAIN MATING TRANSCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.

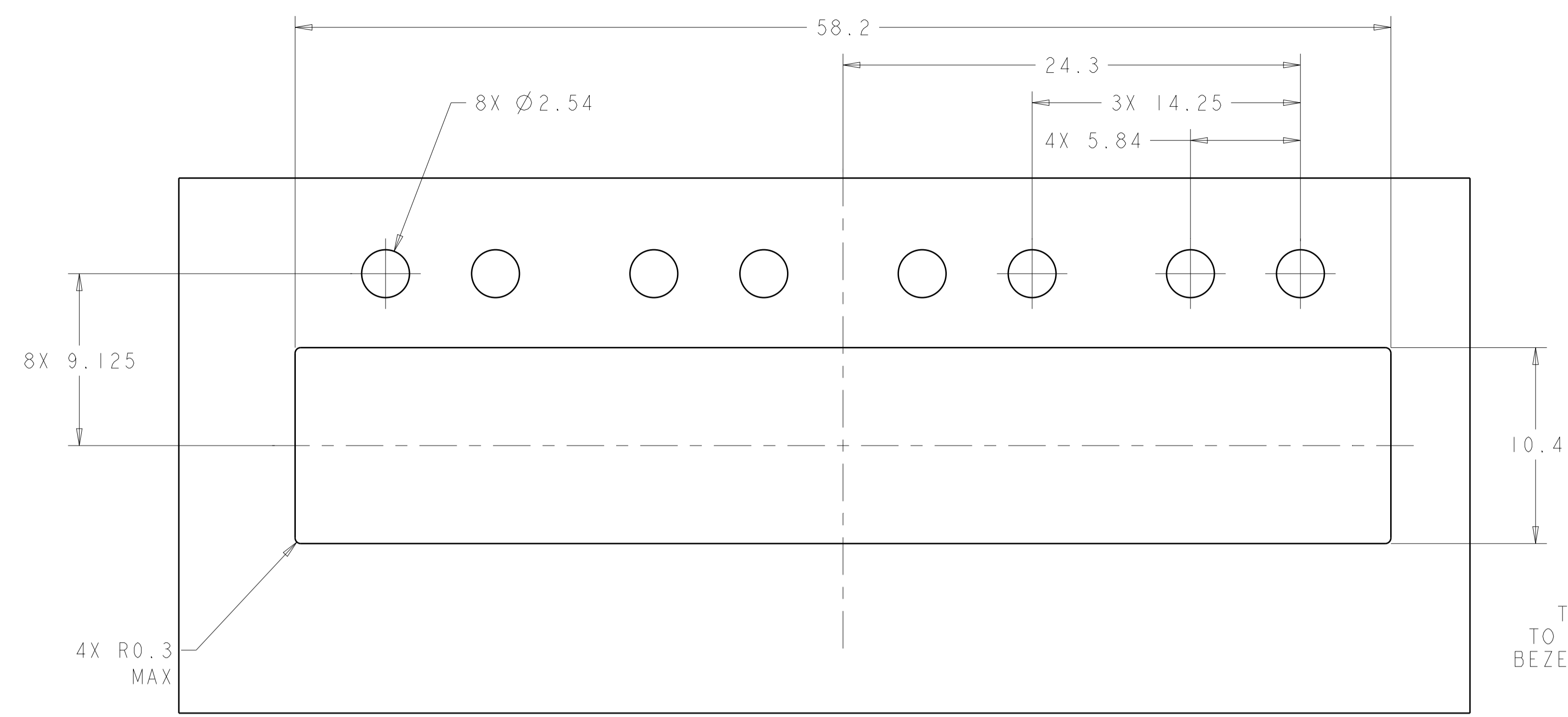


2110069-1
 SCALE 4:1

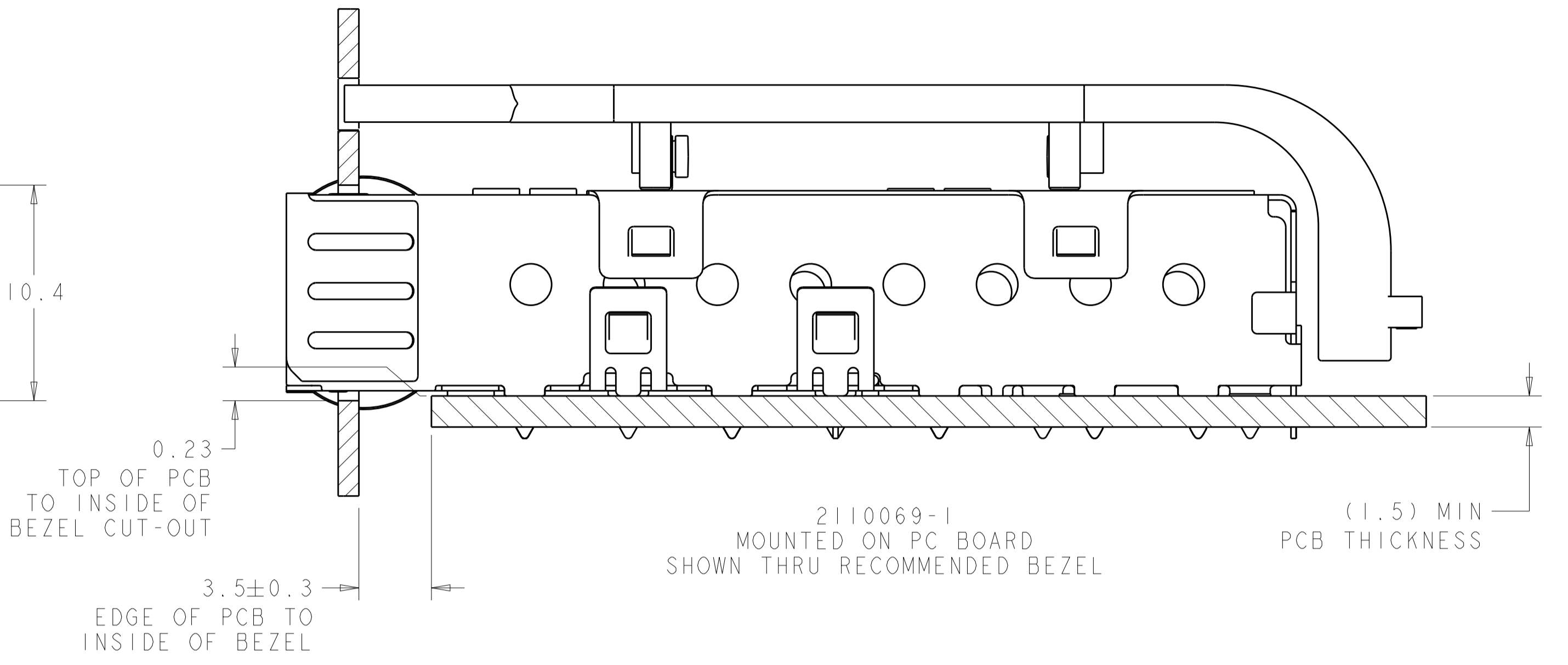
2110069-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	Z. M. BEAM	16JAN2009
DIMENSIONS:		CHK	M. BEAM	16JAN2009
mm		APPV	R. WERTZ	16JAN2009
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		
0 PLC	±0.1	PRODUCT SPEC		
1 PLC	±0.1	108-2364		
2 PLC	±0.1	APPLICATION SPEC		
3 PLC	±0.1	114-13120		
4 PLC	±0.1	WEIGHT		
ANGLES	±1°	A100779C=2110069		
MATERIAL	△	Customer Drawing		
FINISH	△2	SCALE 5:1 SHEET 1 OF 4 REV A		

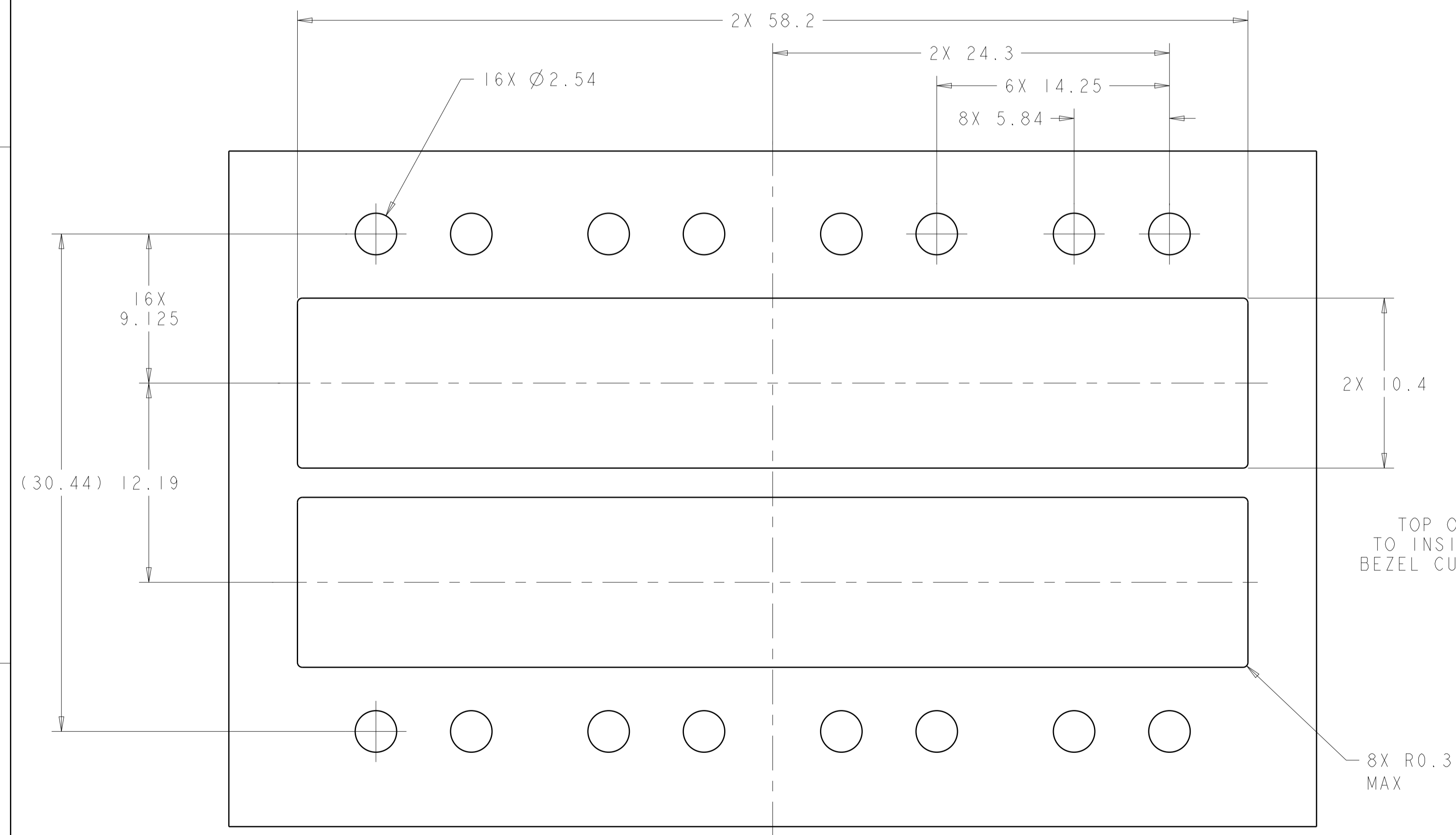
LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	-	-	SEE SHEET 1	-	-	-



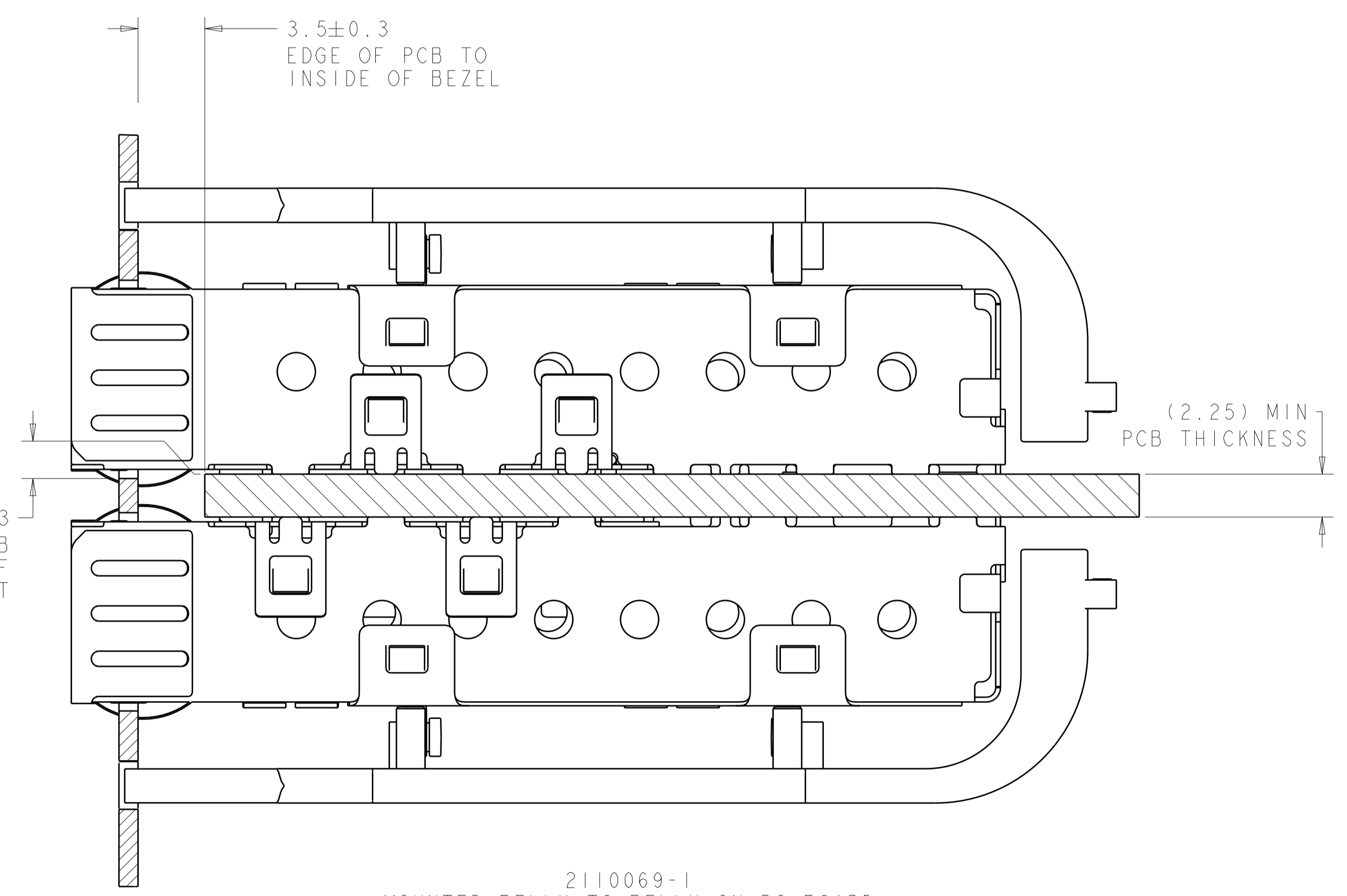
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS



2110069-1
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS

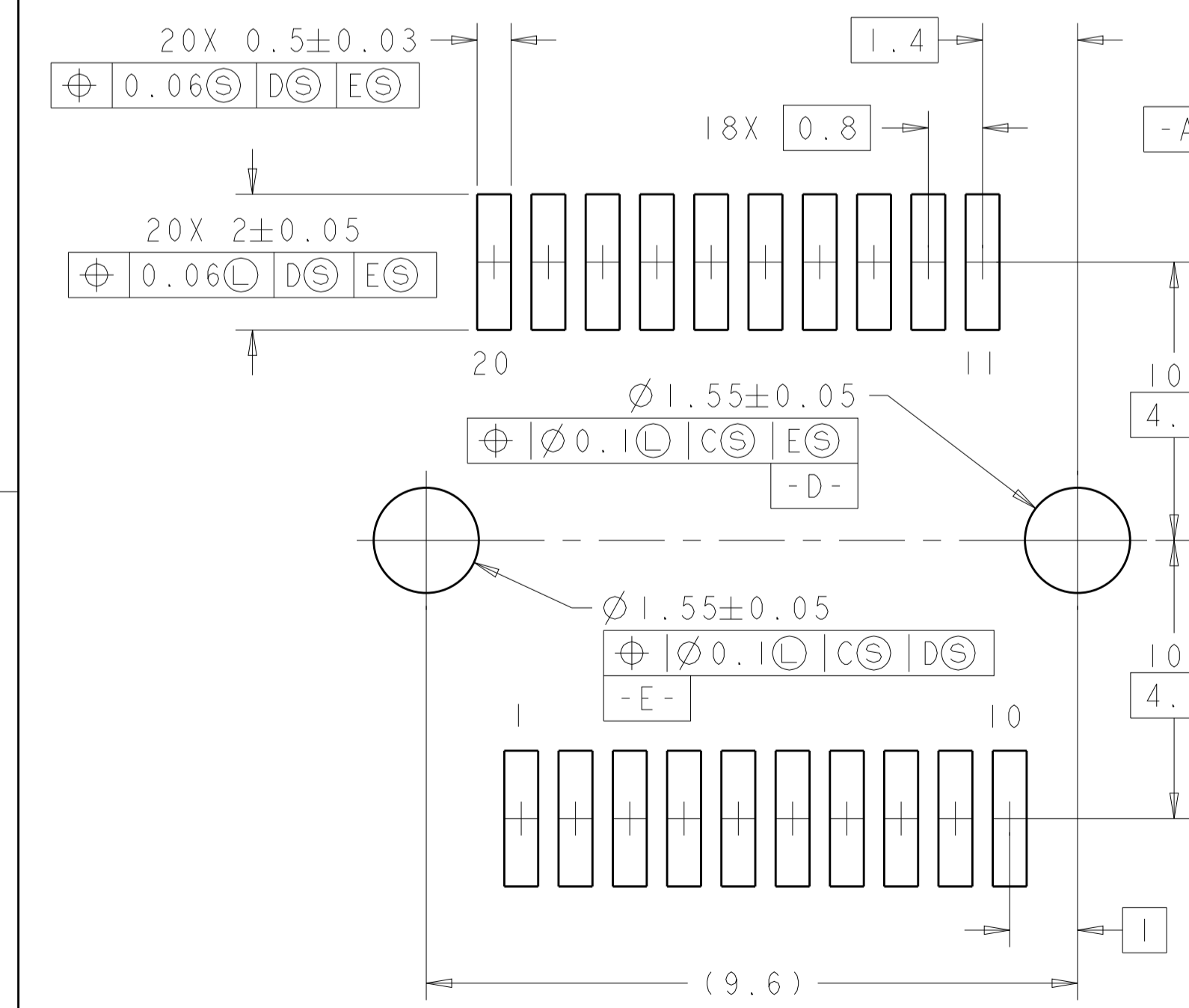
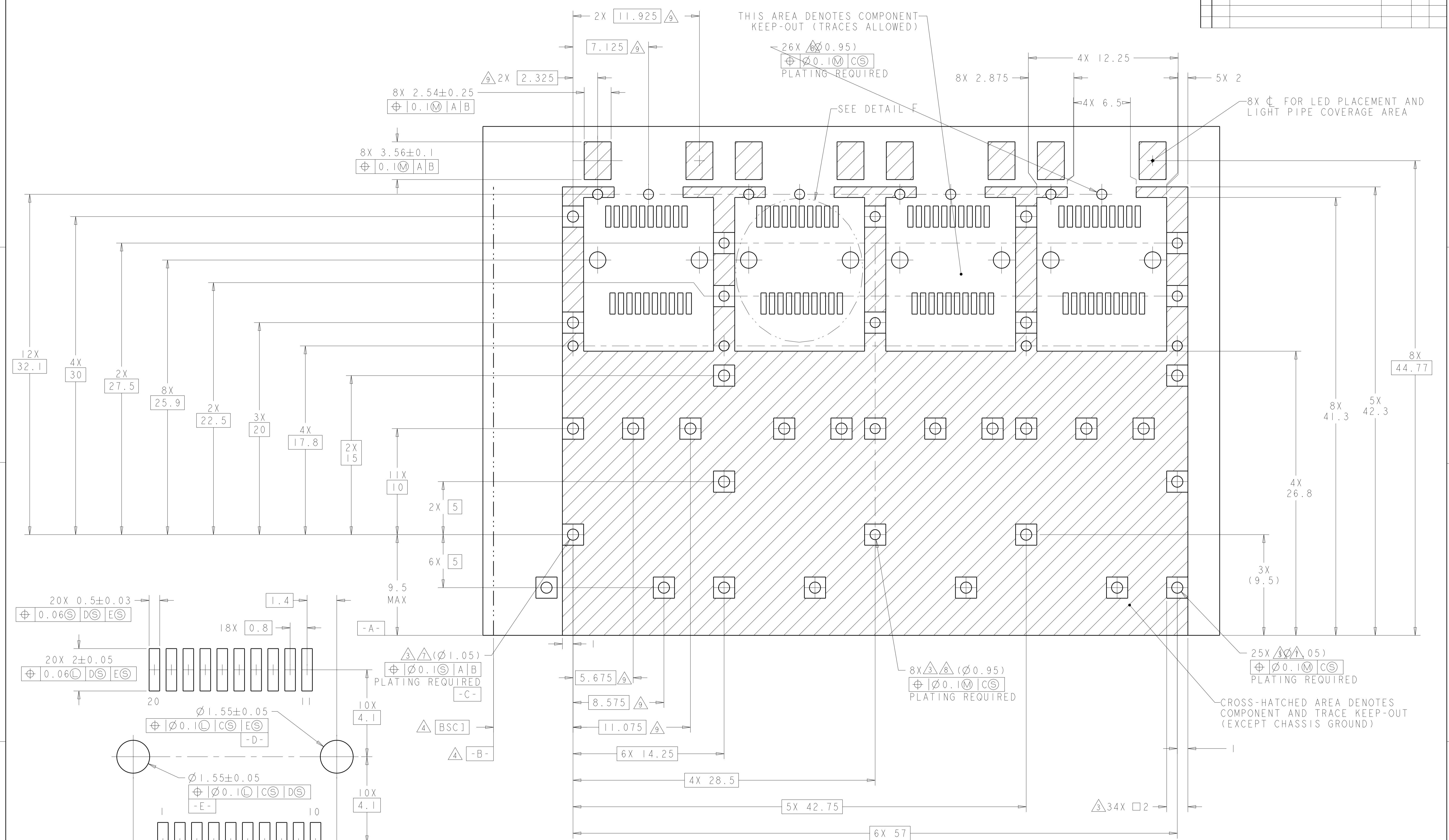


2110069-1
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	Z. M. BEAM	16JAN2009	TE Connectivity NAME SFP+ 1X4 CAGE ASSEMBLY PRESS-FIT, EXTERNAL EMI SPRINGS W/ REDUCED LENGTH LIGHT PIPE SIZE CAGE CODE DRAWING NO RESTRICTED TO
DIMENSIONS:		CHK	M. R. SCHMITT	16JAN2009	
mm		APVD	P. H. WERTZ	16JAN2009	
0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°		PRODUCT SPEC	108-2364	APPLICATION SPEC	
MATERIAL		FINISH	114-13120	WEIGHT	Customer Drawing
4805 (3/11)		SCALE		5:1	SHEET 2 OF 4

LOC	DIST	REV	DATE	BY	APPV
GP	00				

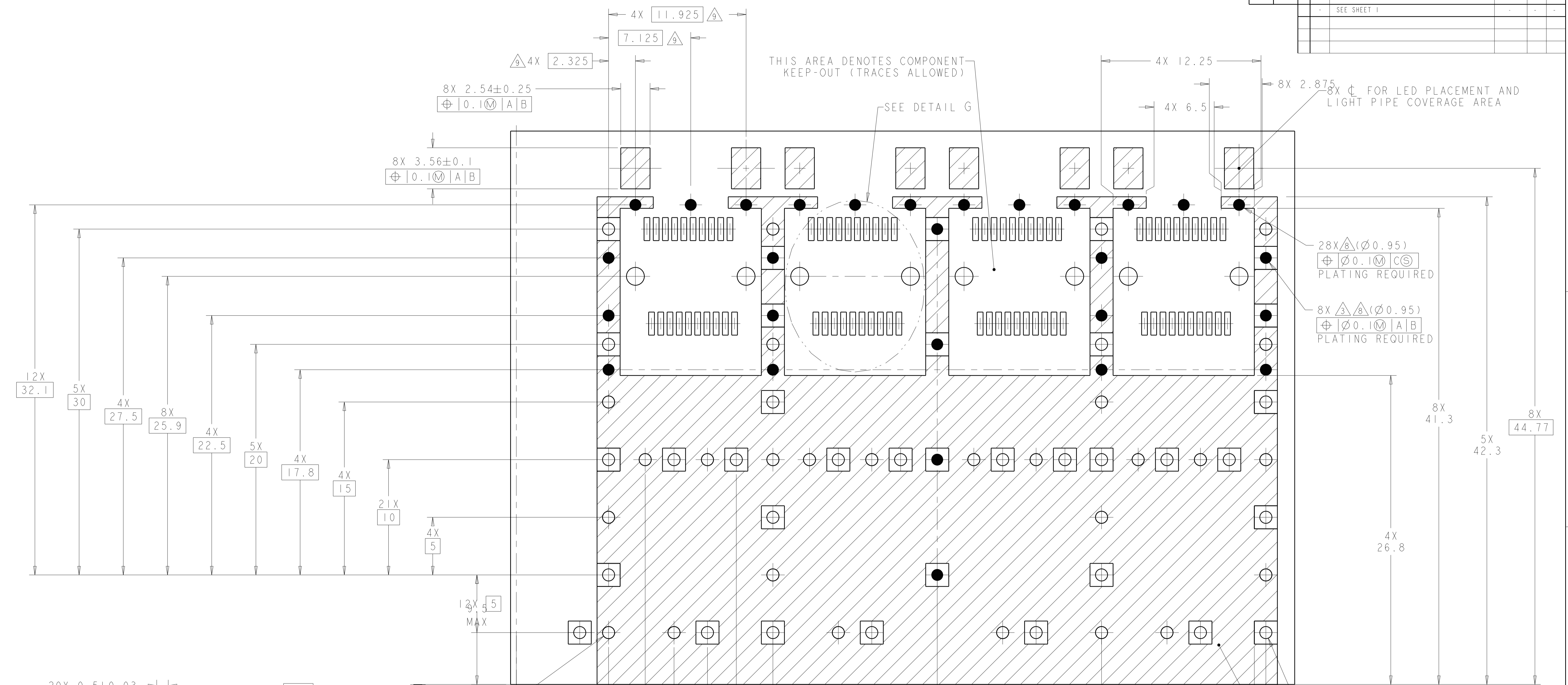
REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	SEE SHEET 1	-	-



RECOMMENDED PCB CONFIGURATION
 WITH KEEP-OUT AREAS
 SINGLE SIDED APPLICATIONS \triangle
 SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN Z. M. REAM 16 JAN 2009	NAME SFP+ 1X4 CAGE ASSEMBLY PRESS-FIT, EXTERNAL EMI SPRINGS W/ REDUCED LENGTH LIGHT PIPE
DIMENSIONS: mm		CHK M. R. SCHMITT 16 JAN 2009	PRODUCT SPEC 108-2364
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.1 1 PLC ± 0.1 2 PLC ± 0.1 3 PLC ± 0.1 4 PLC ± 0.1 ANGLES ± 0.1		APVD B. H. WERTZ 16 JAN 2009	APPLICATION SPEC 114-13120
MATERIAL FINISH		WEIGHT	SIZE A100779C=2110069
Customer Drawing		SCALE 5:1	RESTRICTED TO SHEET 3 OF 4 REV A

LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPV
		1	SEE SHEET 1		



THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

SEE DETAIL G

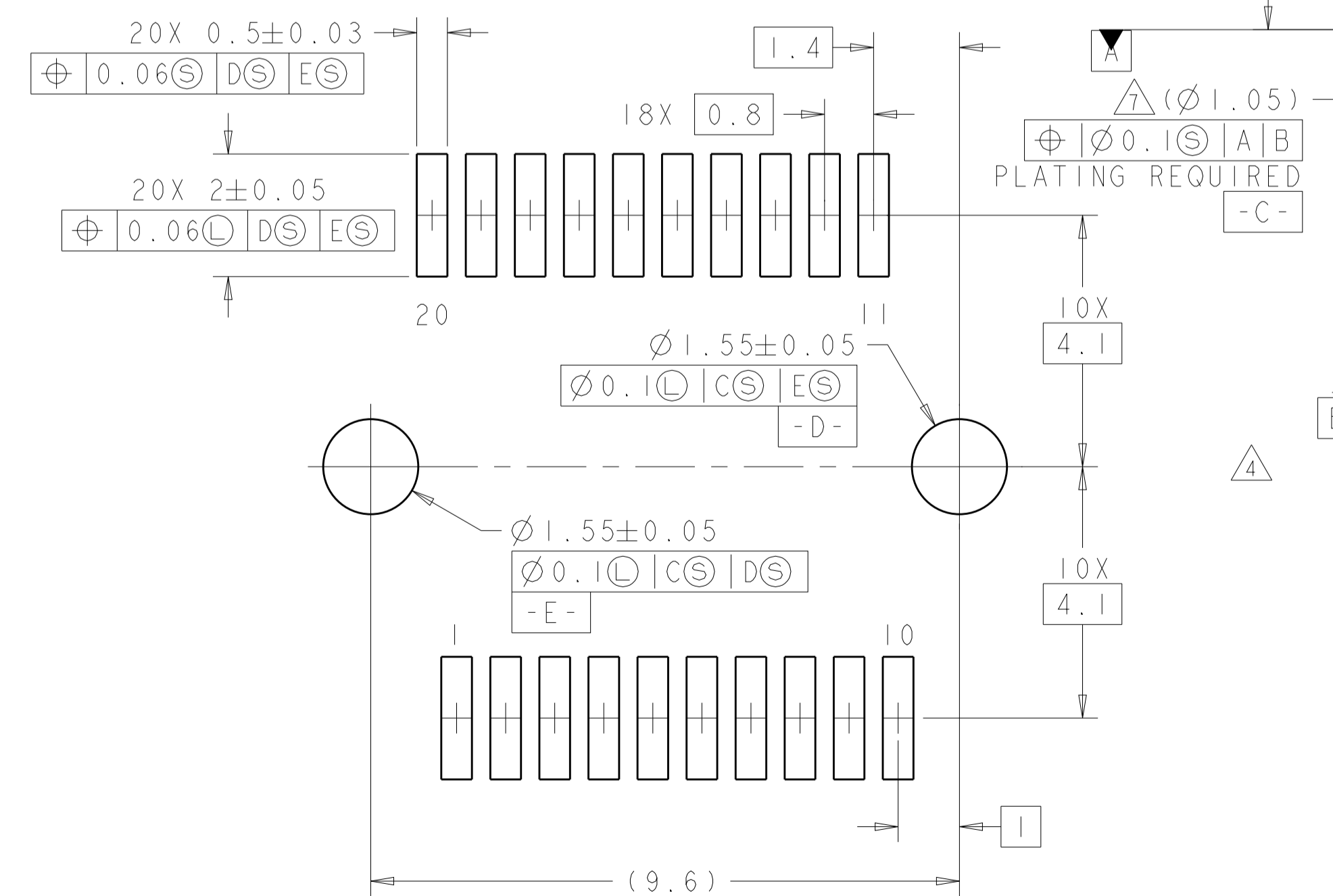
8X ∅ FOR LED PLACEMENT AND LIGHT PIPE COVERAGE AREA

28X (∅0.95)
 ∅0.1 | C S
 PLATING REQUIRED

8X (∅0.95)
 ∅0.1 | A B
 PLATING REQUIRED

51X (∅0.5)
 ∅0.1 | C S
 PLATING REQUIRED

CROSS-HATCHED AREA DENOTES COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)



DETAIL G
 RECOMMENDED PT CONNECTOR LAYOUT
 8X INDIVIDUALLY
 SCALE 12:1

RECOMMENDED PCB CONFIGURATION WITH KEEP-OUT AREAS BELLY TO BELLY APPLICATIONS SCALE 6:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: Z. M. REAM 16JAN2009	TE Connectivity
DIMENSIONS: mm		CHK: M. R. SCHMITT 16JAN2009	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: B. H. WERTZ 16JAN2009	NAME: SFP+ 1X4 CAGE ASSEMBLY
0 PLC ±0.1		PRODUCT SPEC: 108-2364	PRESS-FIT, EXTERNAL EMI SPRINGS
1 PLC ±0.1		APPLICATION SPEC: 114-13120	W/ REDUCED LENGTH LIGHT PIPE
2 PLC ±0.1		WEIGHT: -	SIZE: A1
3 PLC ±0.1		Customer Drawing	SCALE: 5:1
4 PLC ±0.1			SHEET: 4 OF 4
ANGLES ±0.1			REV: A