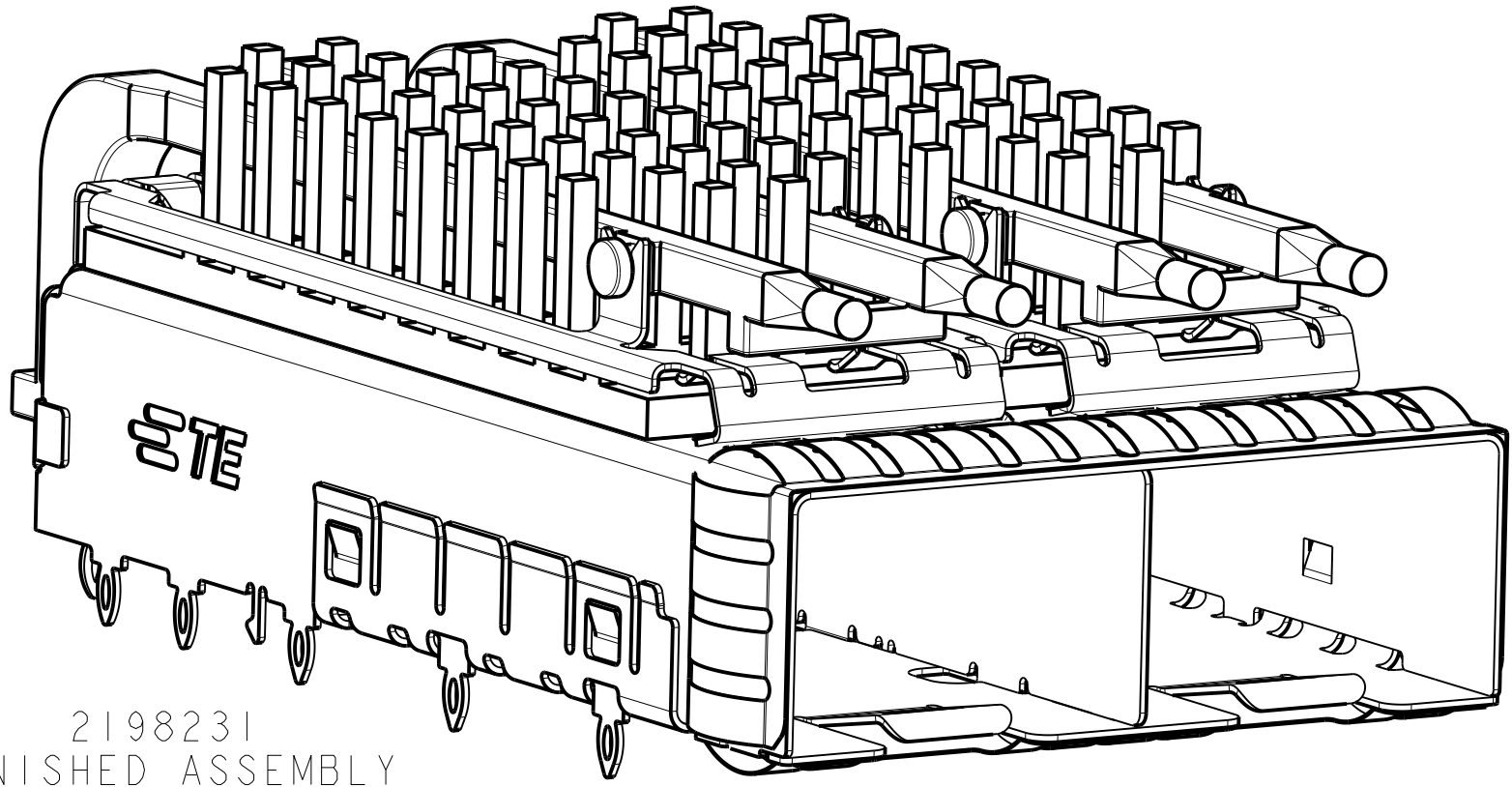
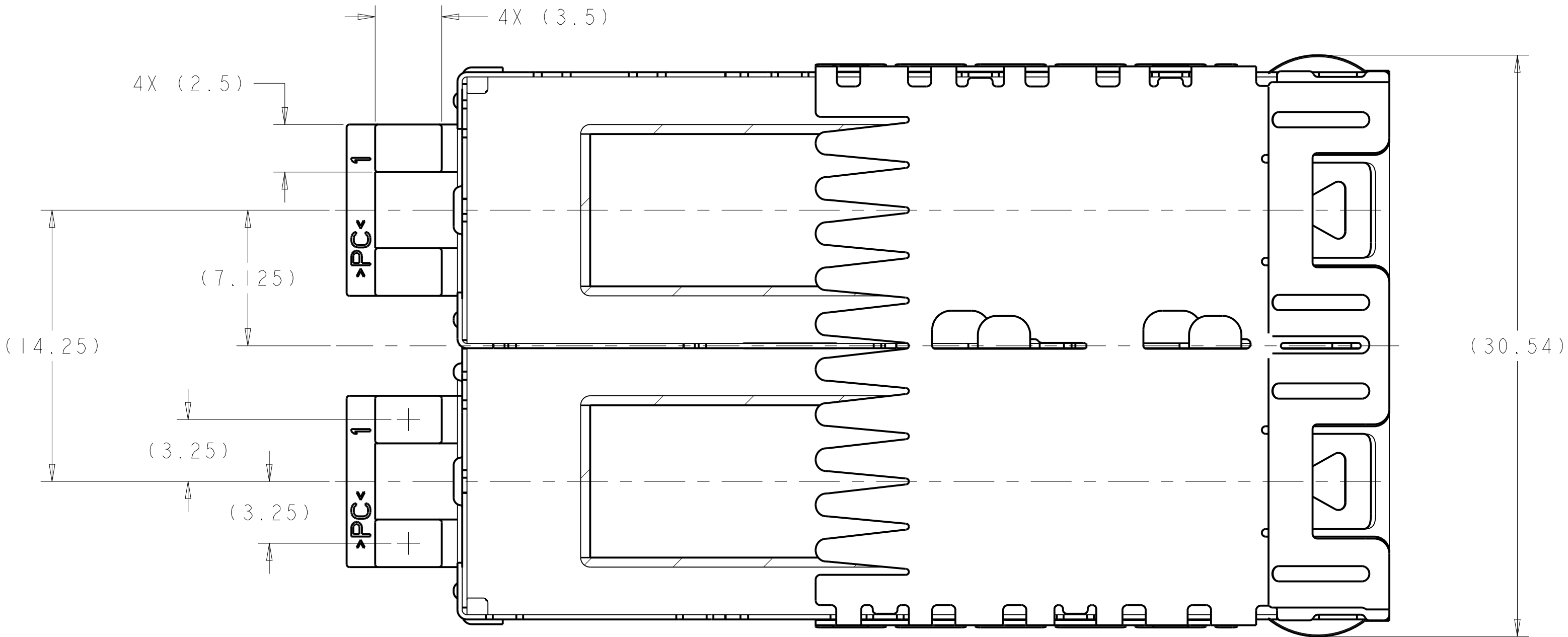
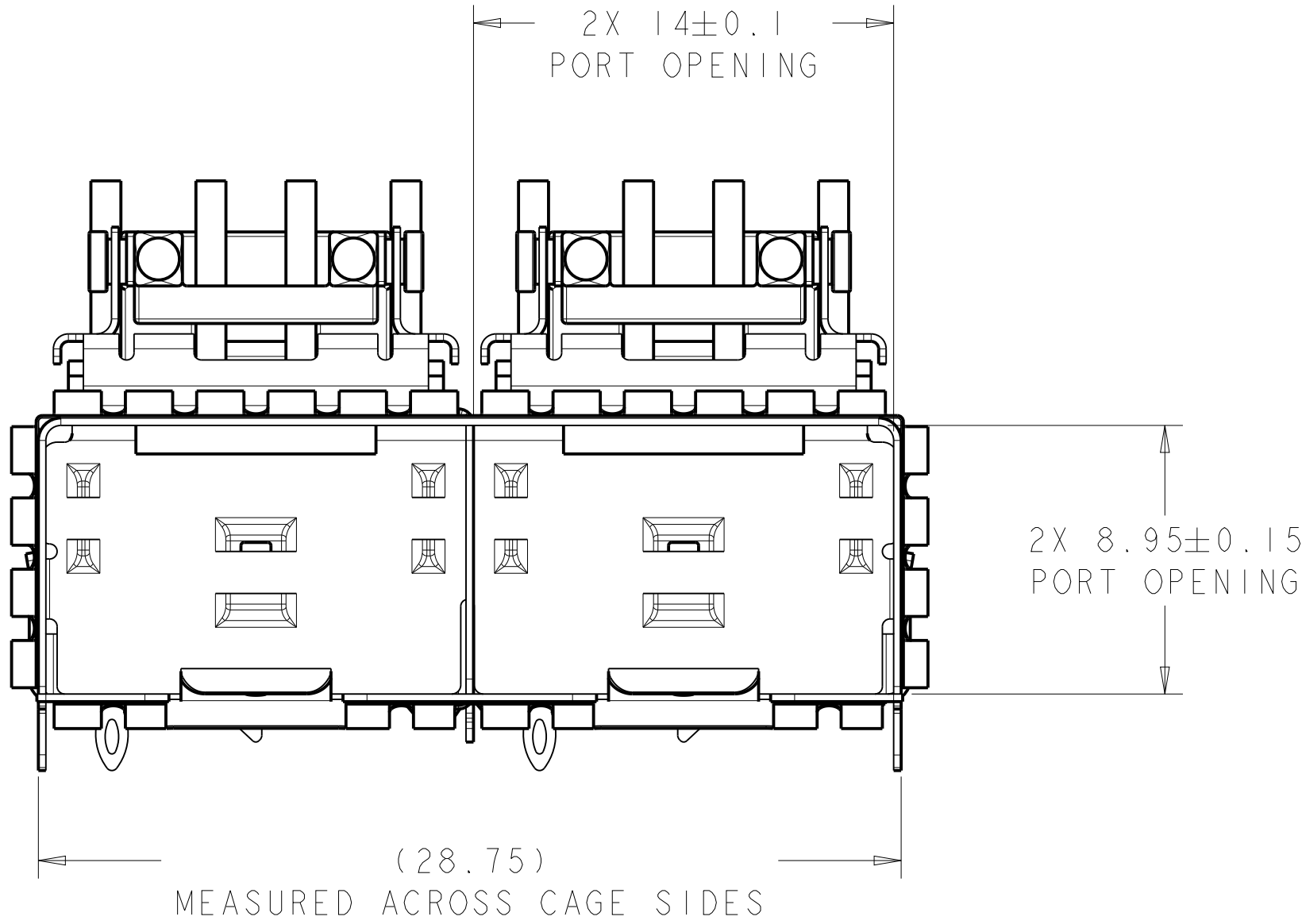
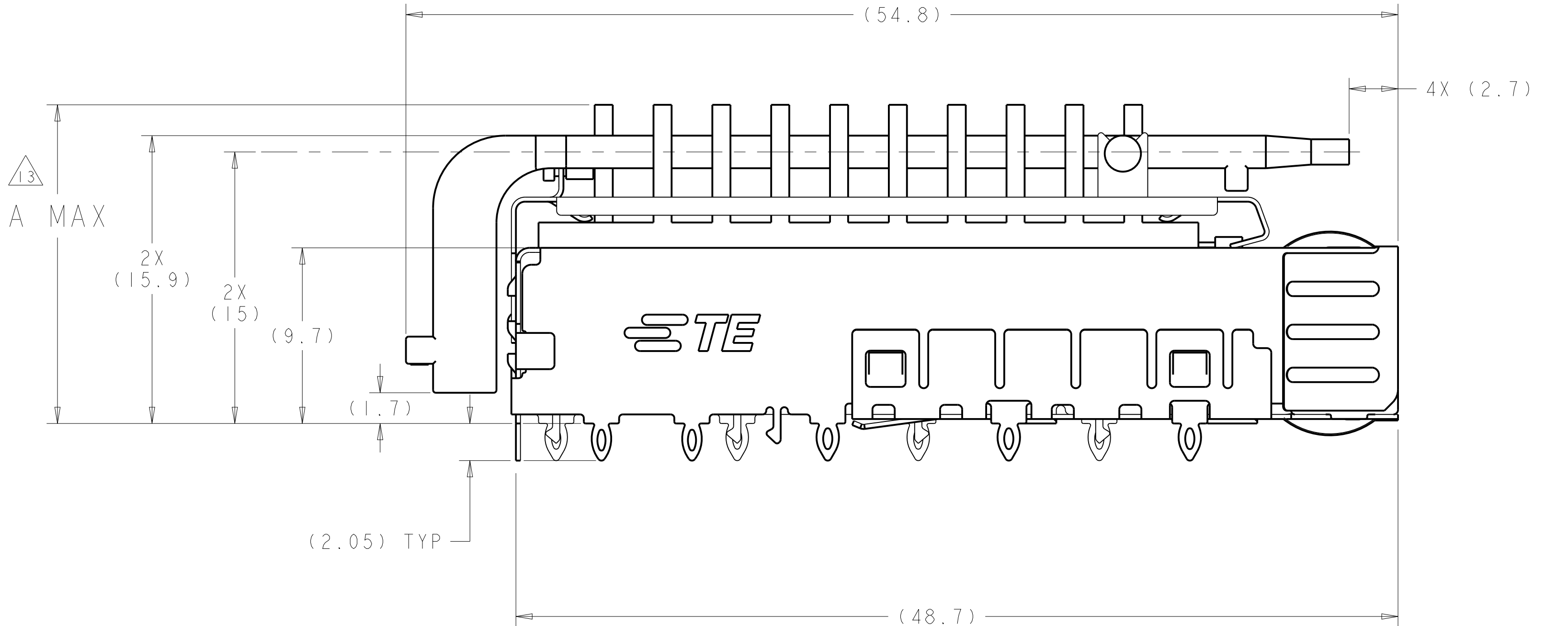




- 1 MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
EMI SPRINGS: COPPER ALLOY
HEAT SINK: ALUMINUM
HEAT SINK/LIGHTPIPE CLIP: STAINLESS STEEL.
LIGHTPIPE: POLYCARBONATE, CLEAR
- 2 FINISH:
SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER MINIMUM OF 0.8um NICKEL UNDERPLATE. NON-PLATED EDGES PERMISSIBLE.
HEAT SINK: ELECTROLESS NICKEL
HEAT SINK CLIP: PASSIVATE.
- 3 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 5 PADS AND VIAS CHASSIS GROUND.
5. MATES WITH SFP MSA COMPLIANT RECIEVERS.
6. INTERPRETATION OF DATUM REFERENCE FRAME IN ACCORDANCE WITH SECT 4.4.1.1 OR ASME Y14.5M-1994.
- 7 MINIMUM PC BOARD THICKNESS:
SINGLE SIDED: 1.5mm
DOUBLE SIDED: 2.25mm
- 8 HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm.
- 9 REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.

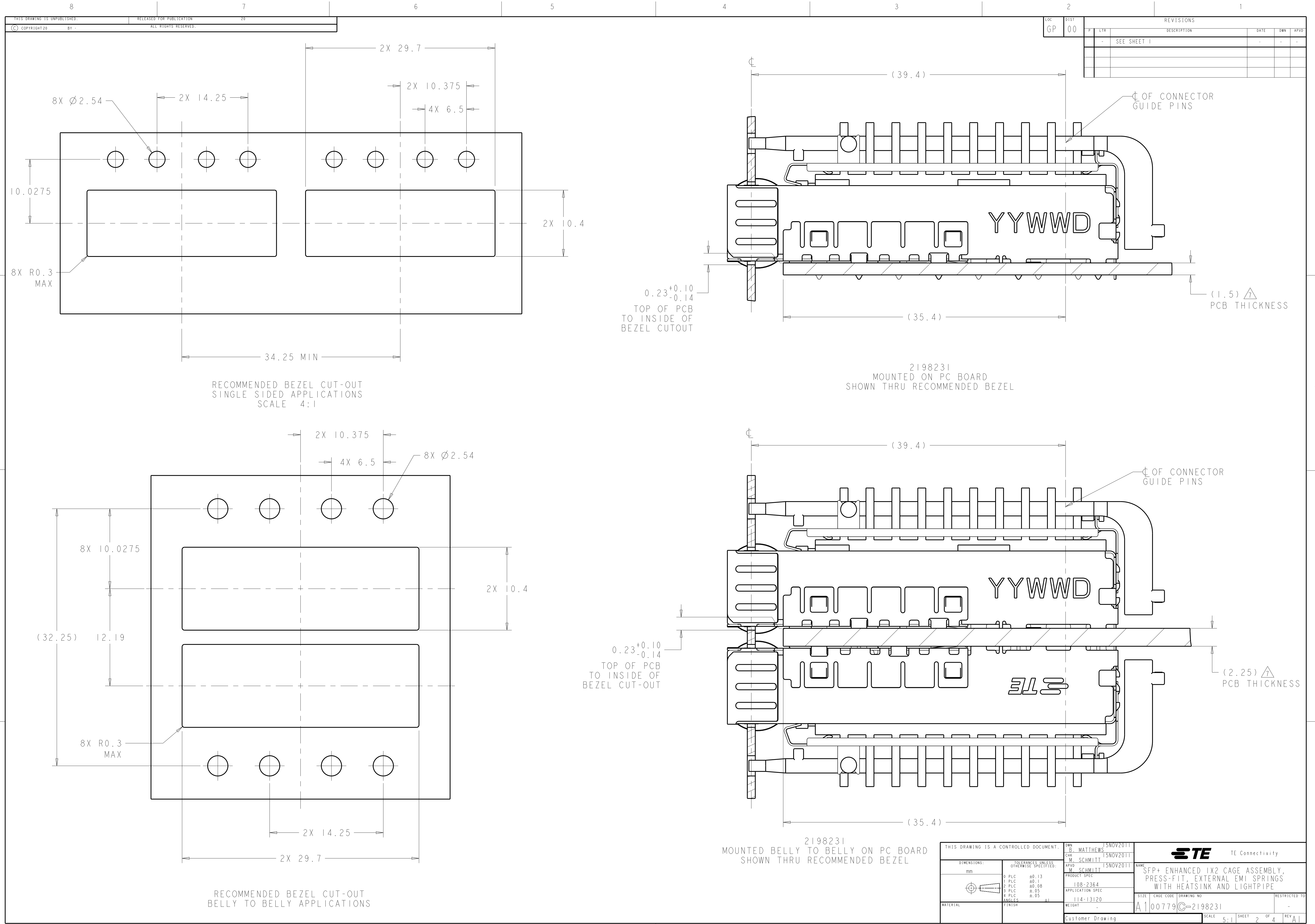
LOC		DIST		REVISONS			
GP		P	LTR	DESCRIPTION	DATE	DWN	APVD
		A		RELEASED PER ECO-12-013192	18OCT2012	BMM	MRS
		A1		RELEASED PER ECO-14-008488	06JUNE2014	PP	SH

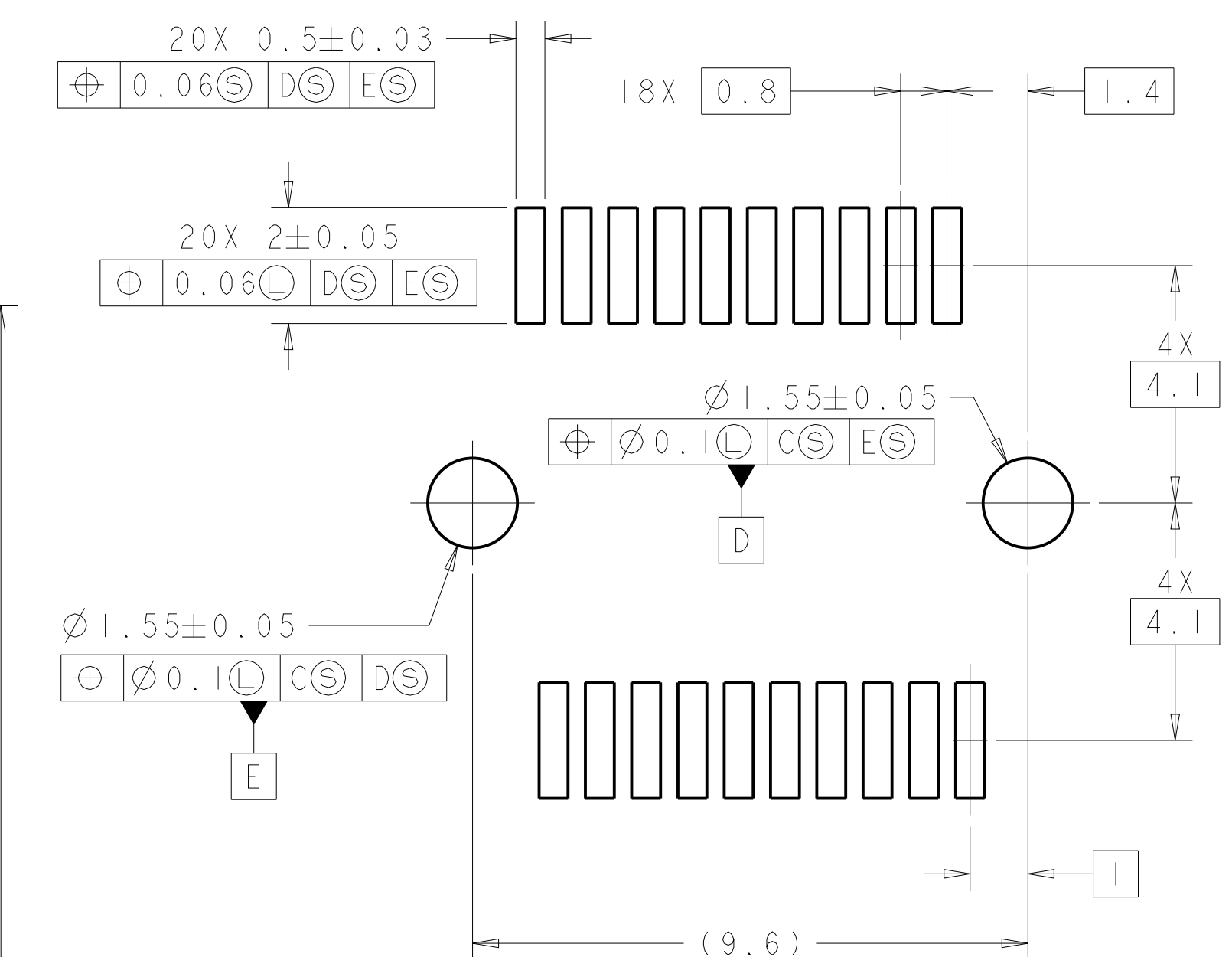
- 10 REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
11. CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.
12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- 13 DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.
- 14 HEATSINK, HEATSINK CLIP, AND LIGHTPIPE SHIPPED UNASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY TO BE PRESSED INTO PCB PRIOR TO ATTACHING HEATSINK, HEATSINK CLIP, AND LIGHTPIPE TO THE CAGE ASSEMBLY.
- 15 PACKAGED AS A COMPLETE ASSEMBLY.



13	22.5	NETWORKING, TALL	2198231-4
13	18.1	NETWORKING, SHORT	2198231-3
14	15.5	SAN	2198231-2
14	13.2	PCI	2198231-1
A MAX		DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS 15NOV2011	TE Connectivity	
		CHK M. SCHMITT 15NOV2011		
DIMENSIONS:		APVD W. SCHMITT 15NOV2011	NAME	
mm		PRODUCT SPEC	SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EXTERNAL EMI SPRINGS, WITH HEATSINK AND LIGHTPIPE	
		108-2364	SIZE	
		APPLICATION SPEC	CAGE CODE DRAWING NO	
		114-13120	RESTRICTED TO	
MATERIAL		WEIGHT	A100779C=2198231	
		Customer Drawing	SCALE 5:1 SHEET 1 OF 4 REV A1	





X 55

1.1

CROSS-HATCHED AREA
DENOTES EXPOSED
CHASSIS GROUND

2X 12.05

2X 2

DETAIL G
SCALE 10:1

Technical drawing showing two views of a mechanical part. The left view is a front view, and the right view is a side view. Dimensions are given in millimeters.

Front View Dimensions:

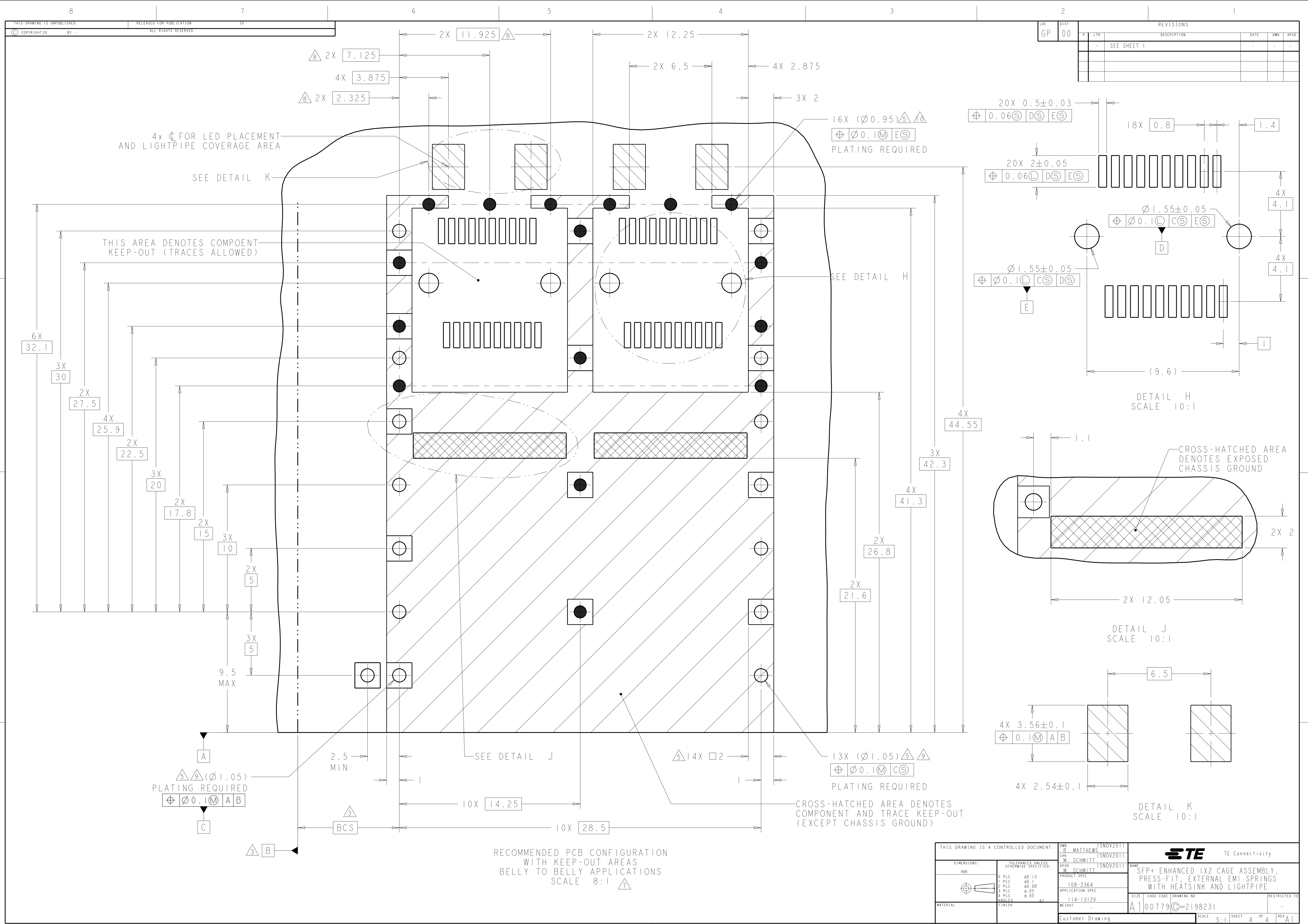
- Width: 6.5
- Height: 4 X 3.56 ± 0.1
- Central Hole Diameter: 0.1 (M)
- Material: A
- Finish: B

Side View Dimensions:

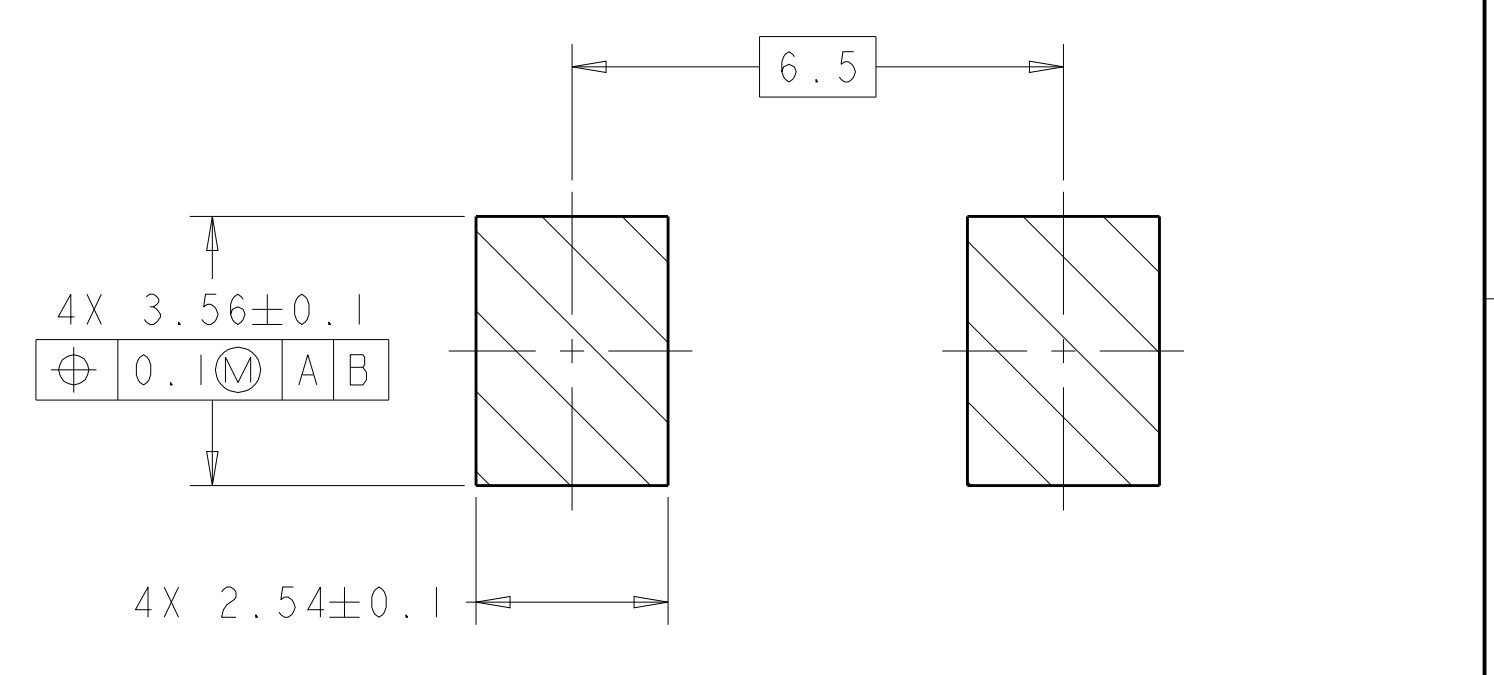
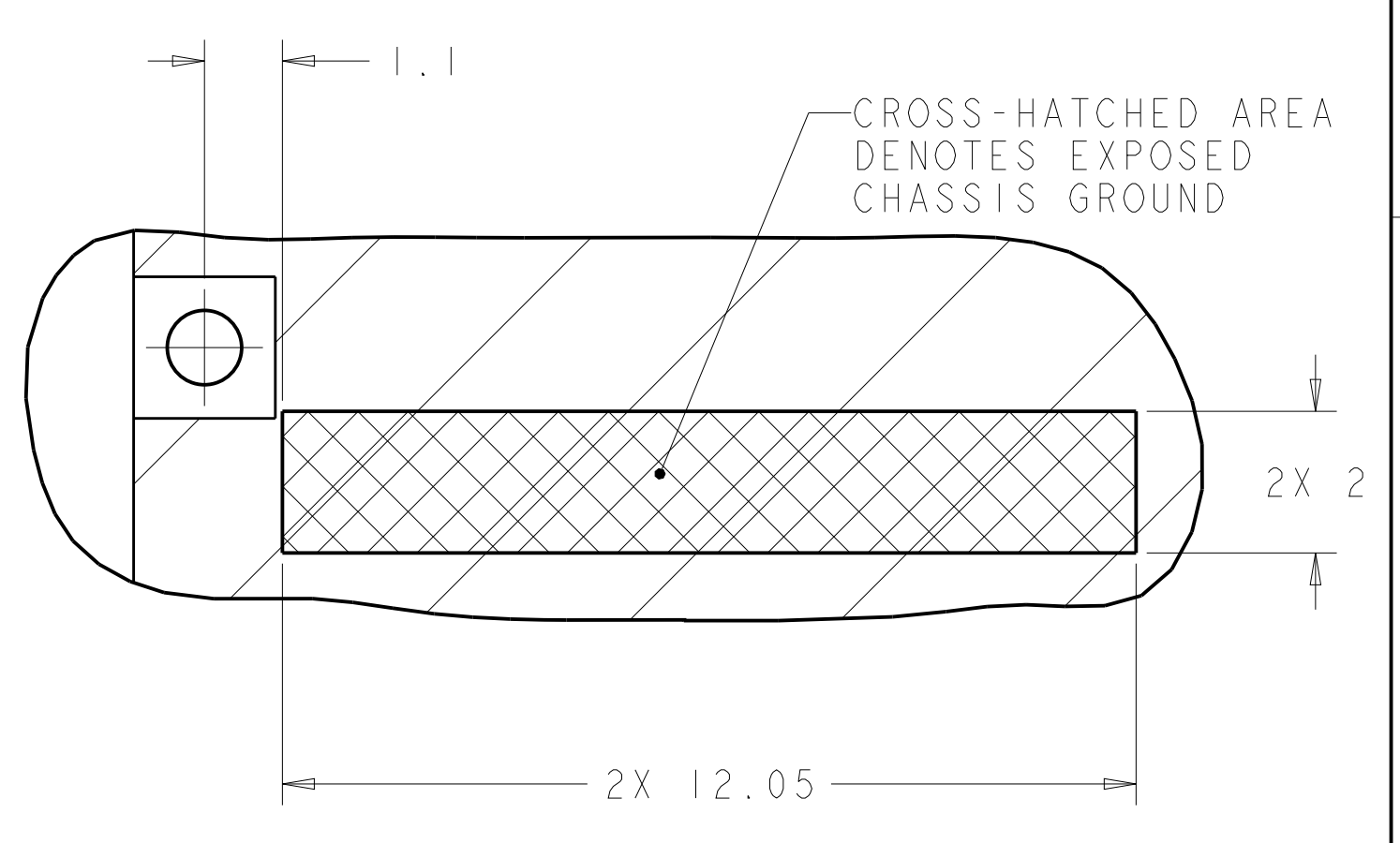
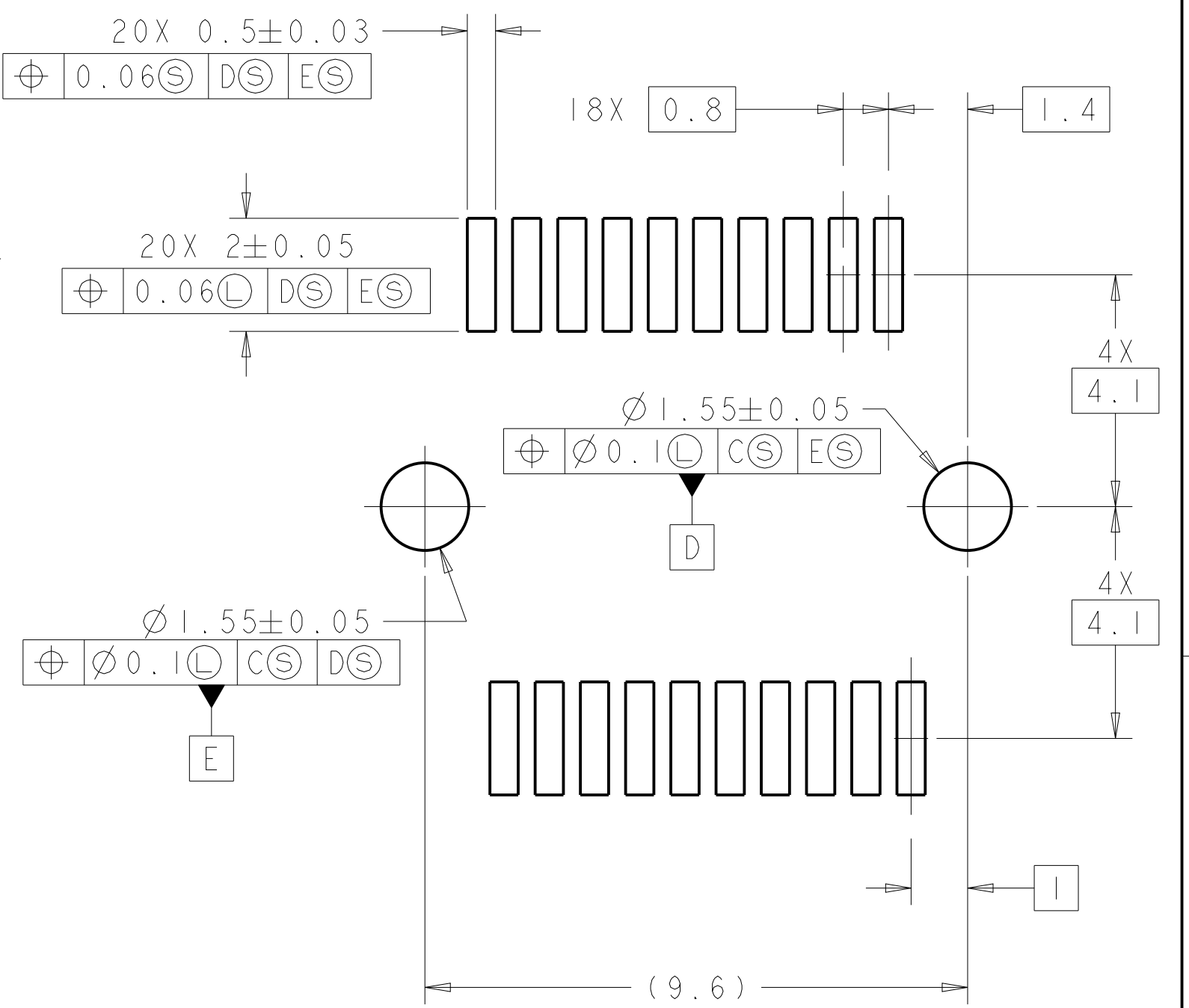
- Width: 4 X 2.54 ± 0.1

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

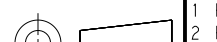
4805 (3/11)



LOC		DIST		REV		DATE		DWN		APVD	
GP		00		-		-		-		-	
-		-		-		-		-		-	
-		-		-		-		-		-	



RECOMMENDED PCB CONFIGURATION
WITH KEEP-OUT AREAS
BELLY TO BELLY APPLICATIONS
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS	15NOV2011	 TE Connectivity			
		CHK M. SCHMITT	15NOV2011				
DIMENSIONS:		APVD M. SCHMITT	15NOV2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE			
mm		PRODUCT SPEC					
		108-2364					
		APPLICATION SPEC					
		114-13120					
		WEIGHT					
		Customer Drawing					
MATERIAL		FINISH				SIZE	
						A1	
						00779	
						C-2198231	
						SCALE	
				5:1			
				SHEET			
				4			
				OF			
				4			
				REV			
				A1			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2198231-4](#)