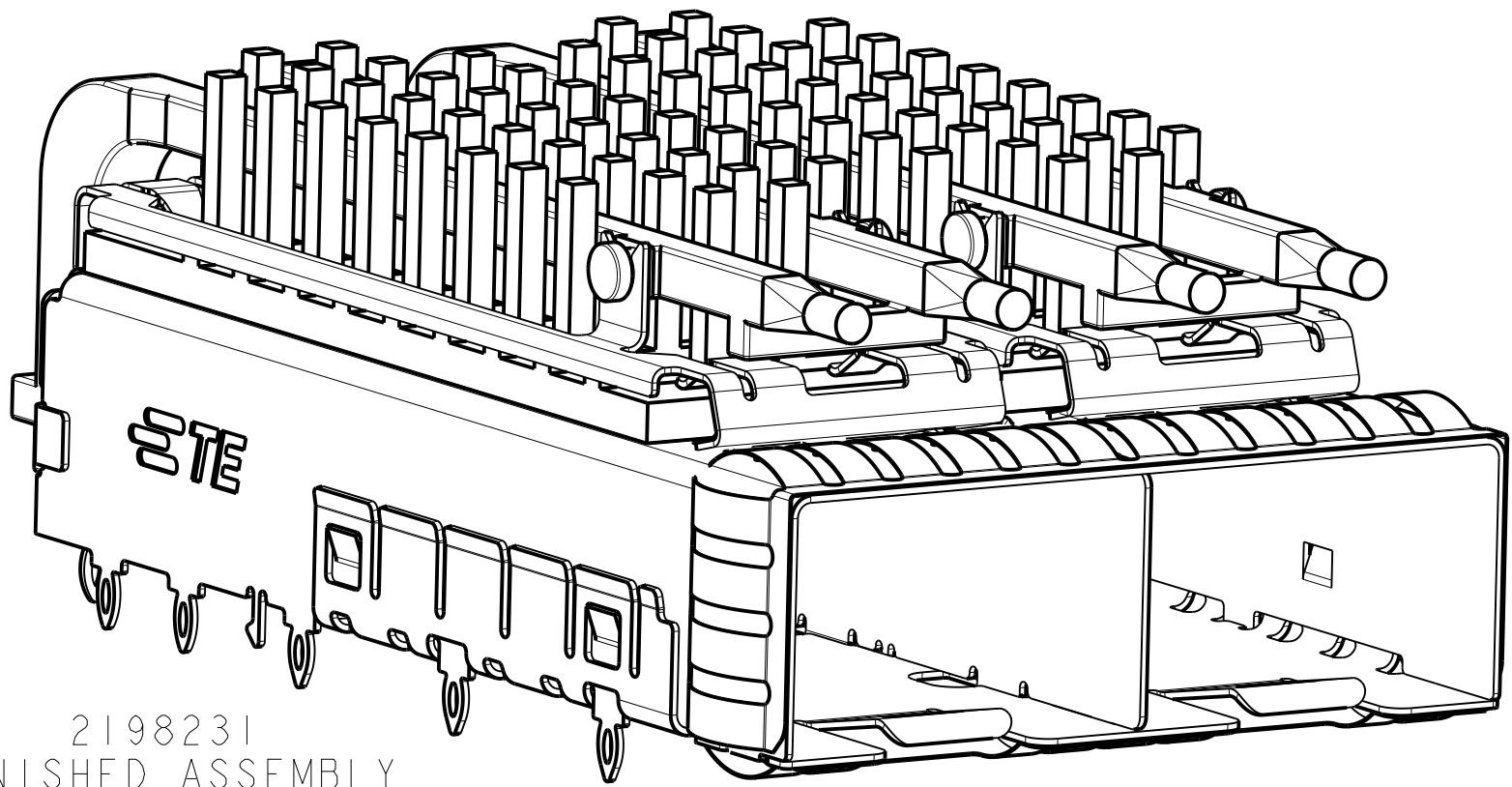
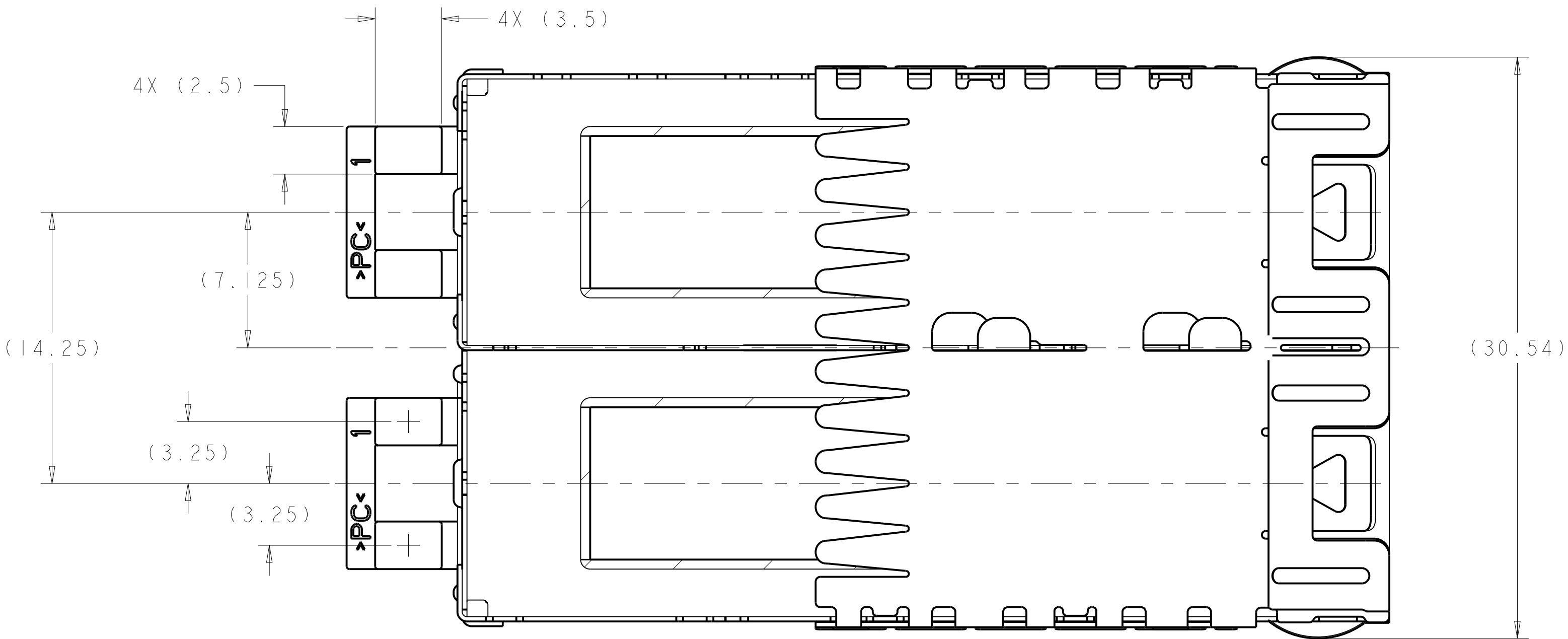
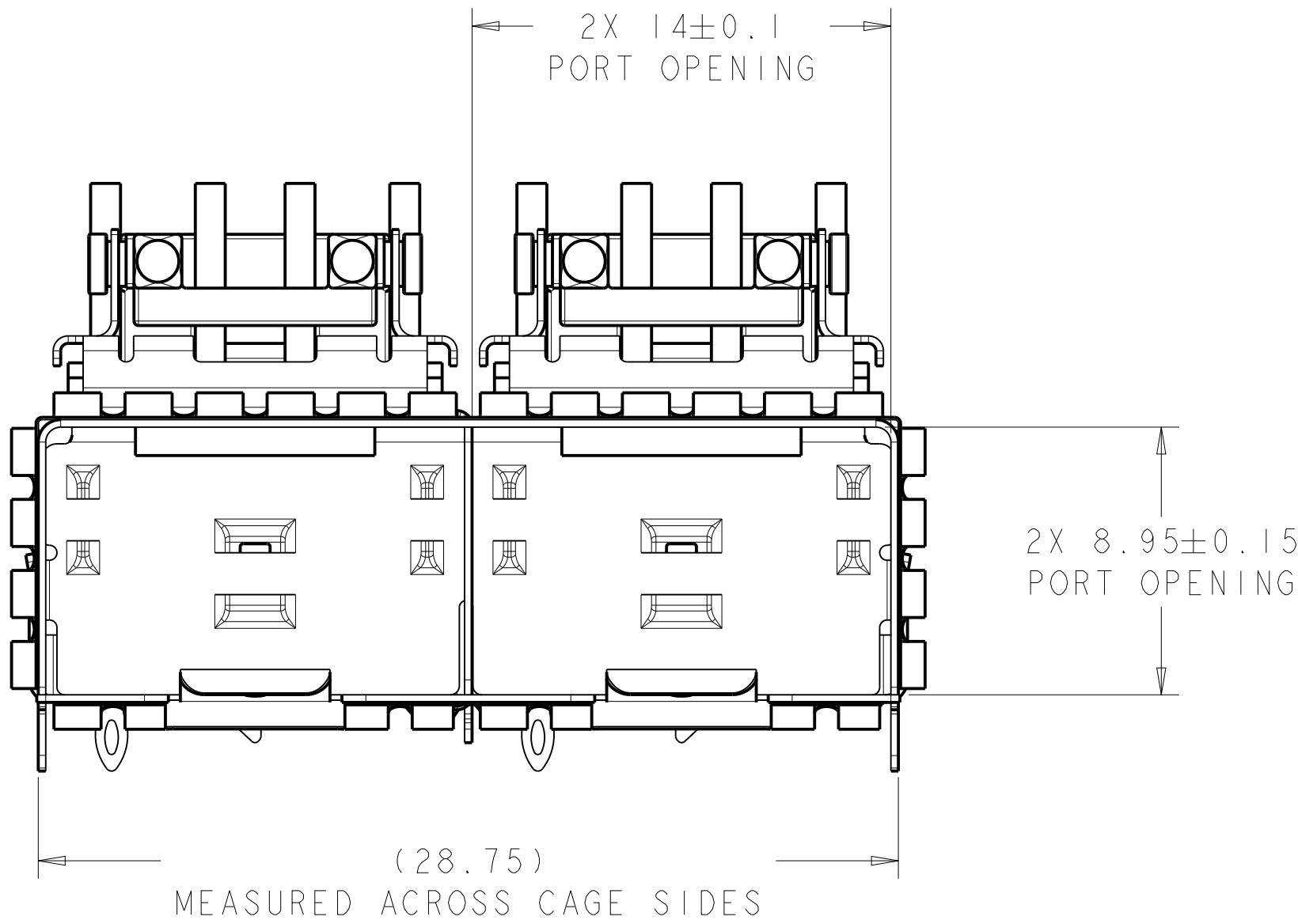
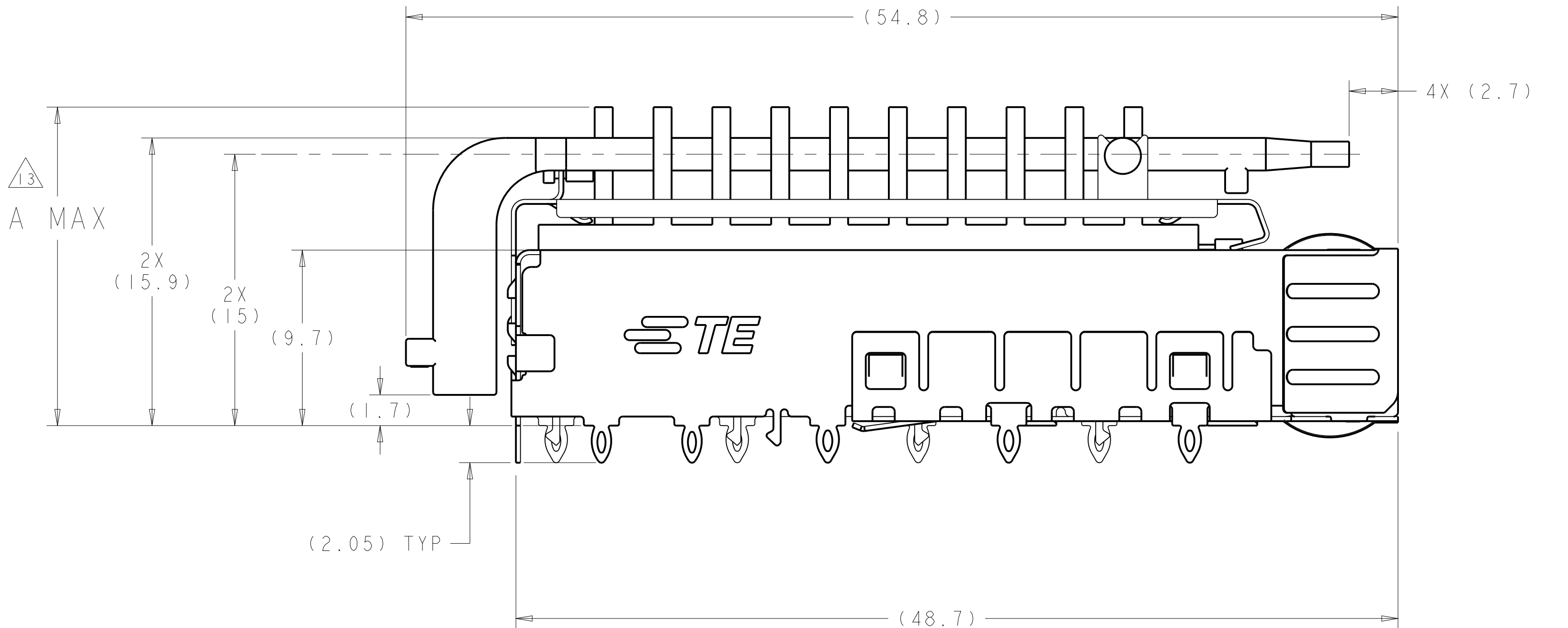




- 1 MATERIAL:
CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
EMI SPRINGS: COPPER ALLOY
HEAT SINK: ALUMINUM
HEAT SINK/LIGHTPIPE CLIP: STAINLESS STEEL.
LIGHTPIPE: POLYCARBONATE, CLEAR
- 2 FINISH:
SPRINGS: MINIMUM OF 0.8um TIN PLATE OVER MINIMUM OF 0.8um NICKEL UNDERPLATE. NON-PLATED EDGES PERMISSIBLE.
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.

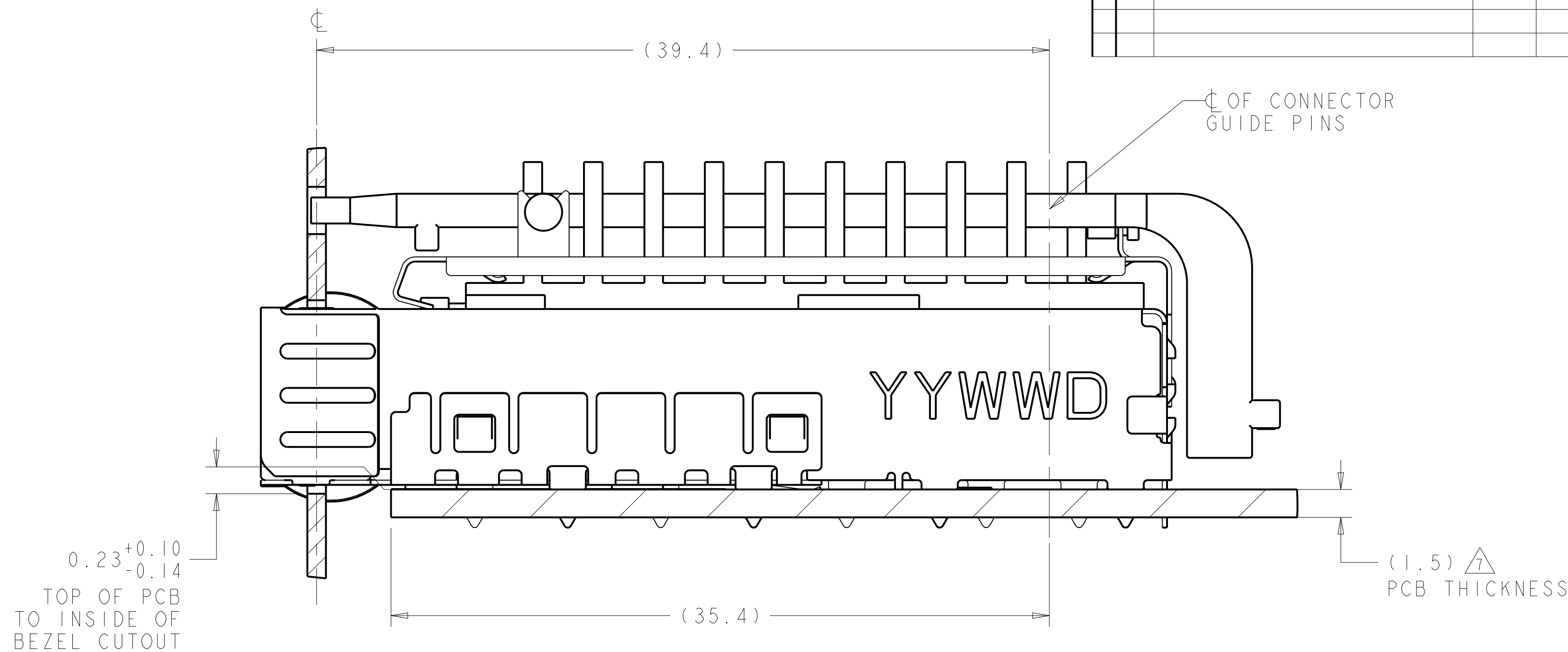
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	RELEASED PER ECO-12-013192	18OCT2012	BMM	MRS
			A1	RELEASED PER ECO-14-008488	06JUNE2014	PP	SH

- 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.

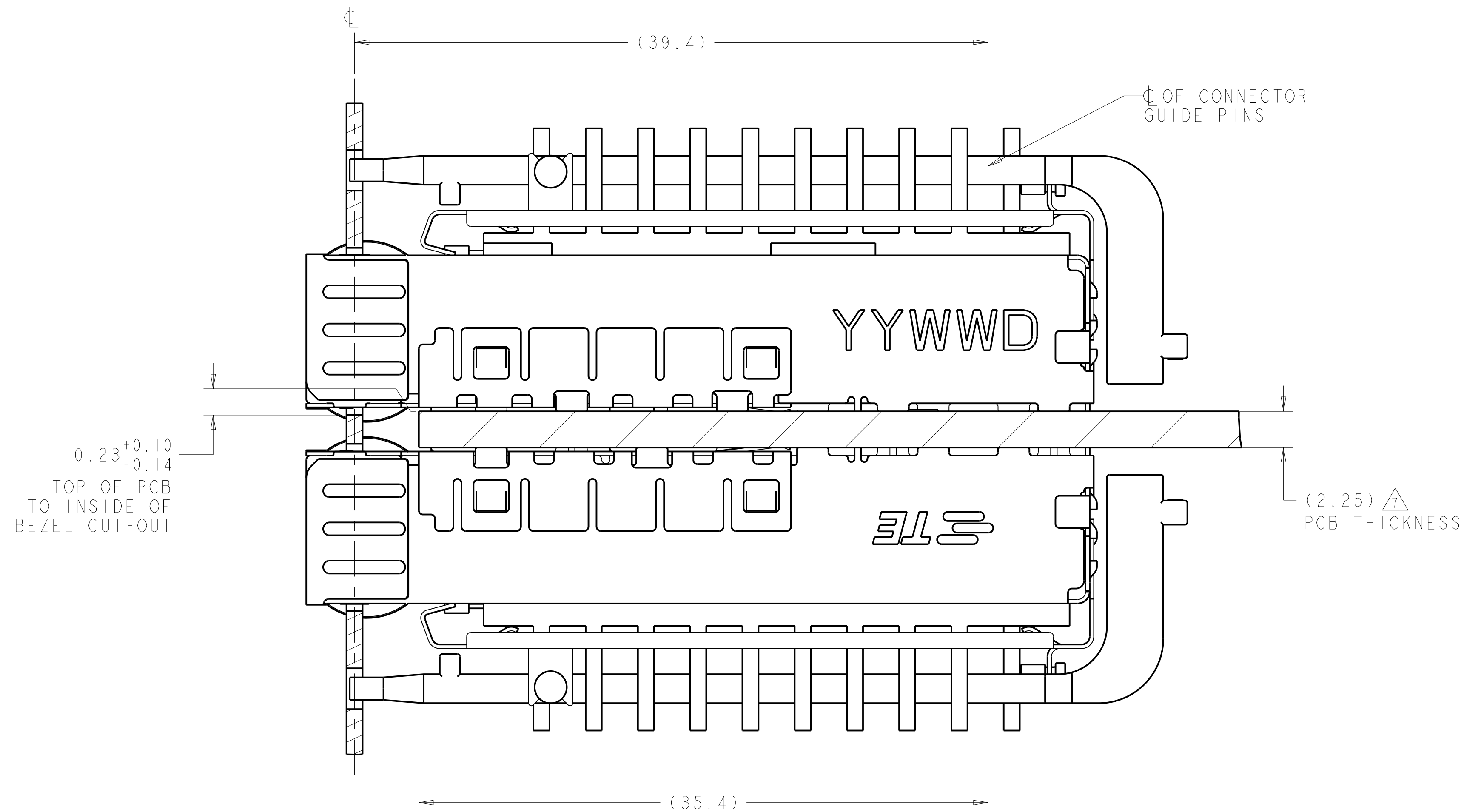


13	22.5	NETWORKING, TALL	2198231-4
13	18.1	NETWORKING, SHORT	2198231-3
14	15.5	SAN	2198231-2
14	13.2	PCI	2198231-1
A MAX		DESCRIPTION	PART NUMBER

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

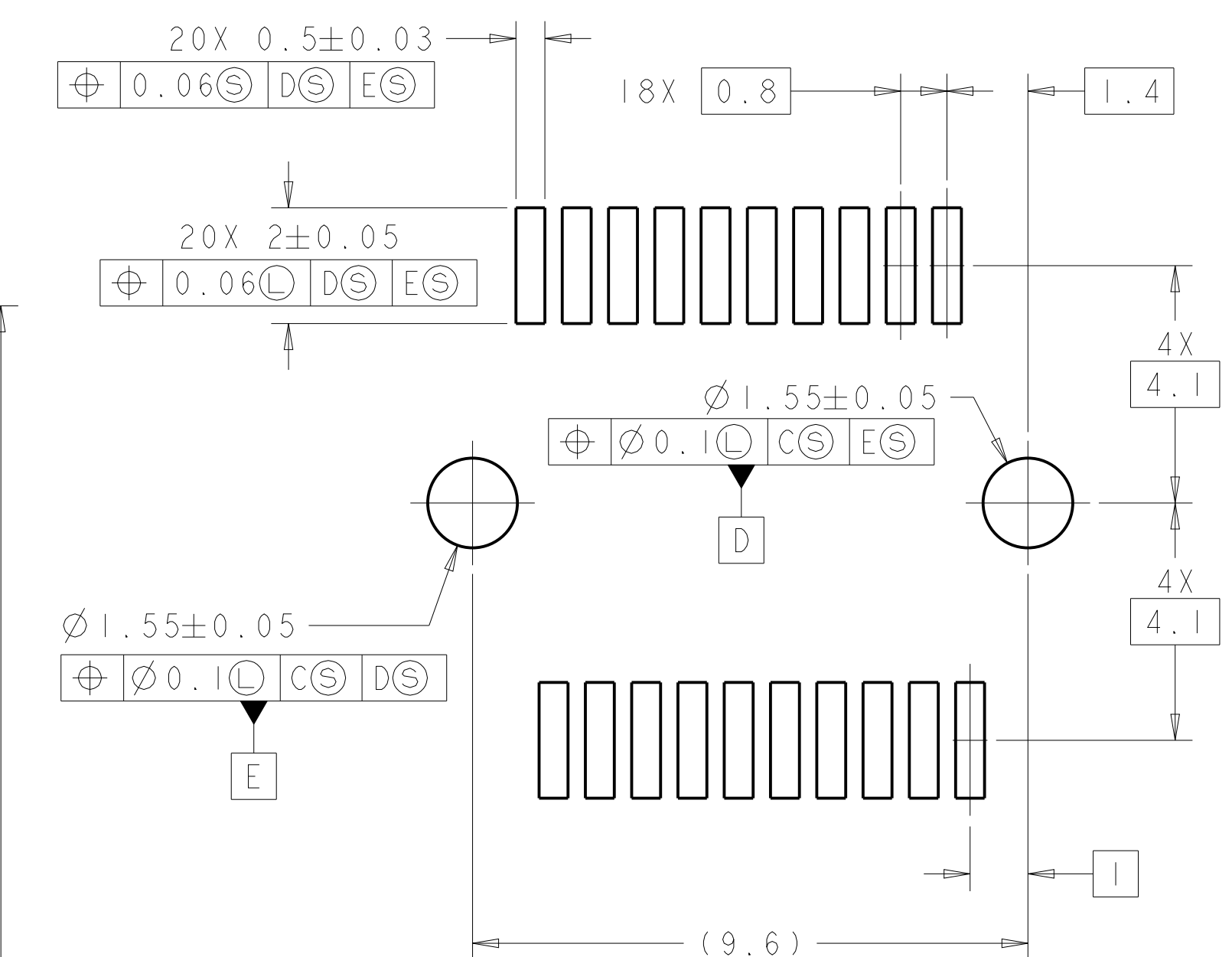


2198231
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



2198231
MOUNTED BELLY TO BELLY ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. <u>B. MATTHEWS</u> JSNOV2011 CHK. <u>M. SCHMITT</u> JSNOV2011 APP'D. <u>M. SCHMITT</u> JSNOV2011	 TE Connectivity	
DIMENSIONS (mm) 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 1.0 PL ±0.13 1.0 PL ±0.08 3.0 PL ±0.05 4.0 PL ±0.05 ANGLES ±0.5°	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EXTERNAL EMI SPRINGS, WITH HEATSINK AND LIGHTPIPE	SIZE CAGE CODE DRAWING NO A100779 C-2198231	
MATERIAL	FINISH	WEIGHT	RESTRICTED TO	
		Customer Drawing	SCALE 5:1	SHEET 2 OF 4
			REV A	



55

1.1

CROSS-HATCHED AREA
DENOTES EXPOSED
CHASSIS GROUND

2X 2

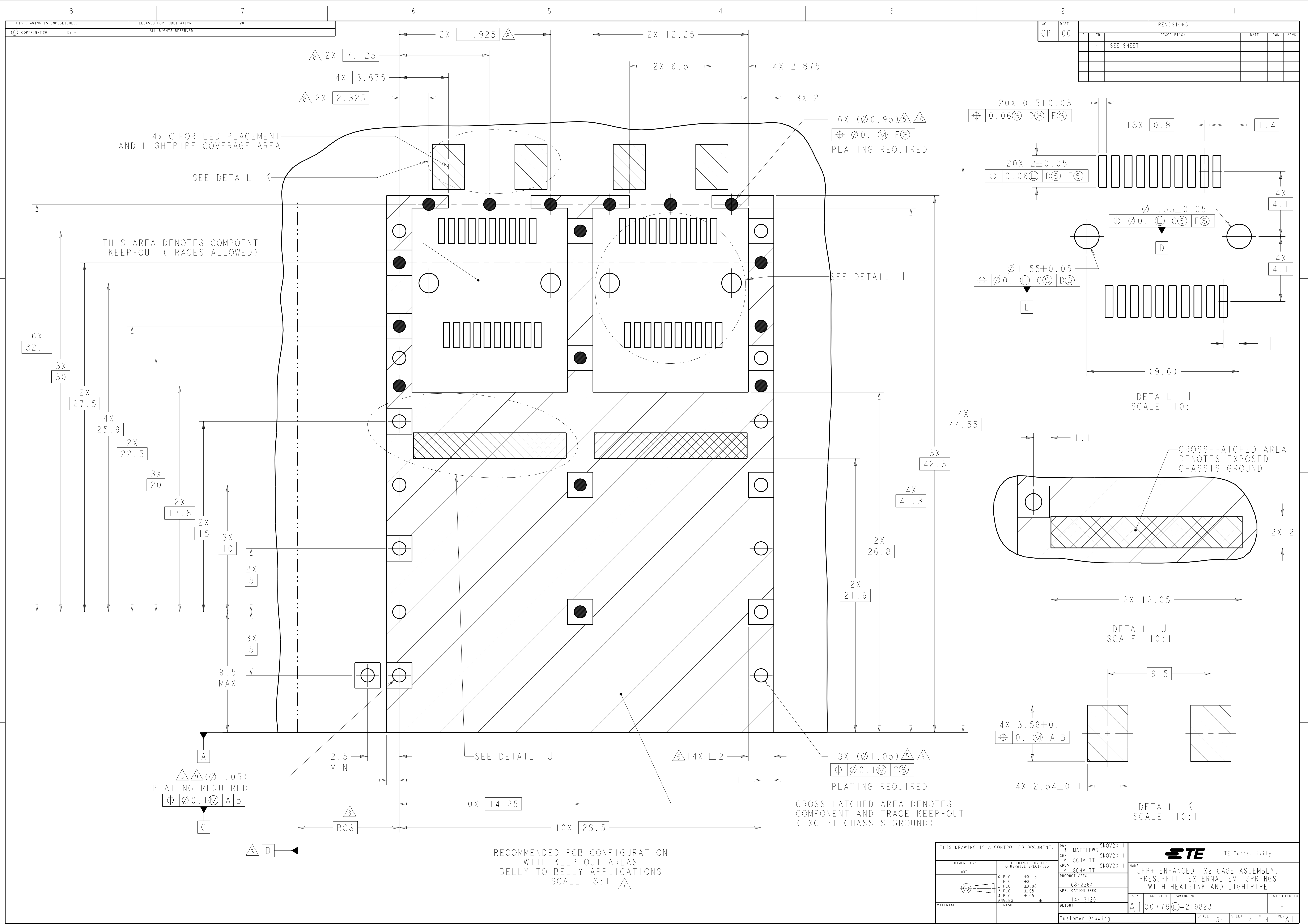
2X 12.05

DETAIL G
SCALE 10:1

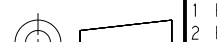
[illegible]

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

4805 (3/11)



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

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN B. MATTHEWS	15NOV2011	 TE Connectivity				
			CHK M. SCHMITT	15NOV2011					
			APVD M. SCHMITT	15NOV2011	NAME SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC					
mm		0 PLC ± 0.13		108-2364		SIZE CAGE CODE DRAWING NO		RESTRICTED TO	
		1 PLC ± 0.1		APPLICATION SPEC					
		2 PLC ± 0.08		114-13120					
		3 PLC ± 0.05		WEIGHT					
4 PLC ± 0.05		ANGLES		Customer Drawing		SCALE 5:1		SHEET 4 OF 4	
MATERIAL		FINISH				REV A1			

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[TE Connectivity:](#)

[2198231-1](#)