

- 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

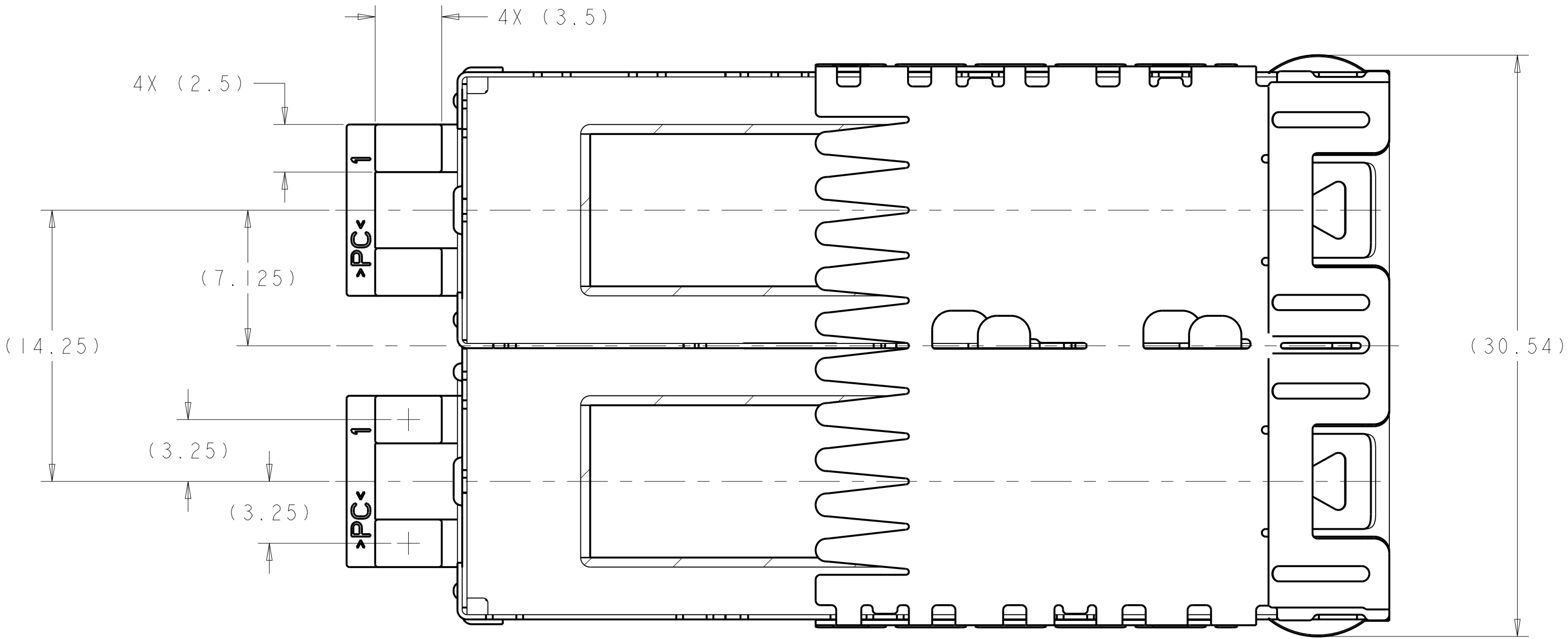
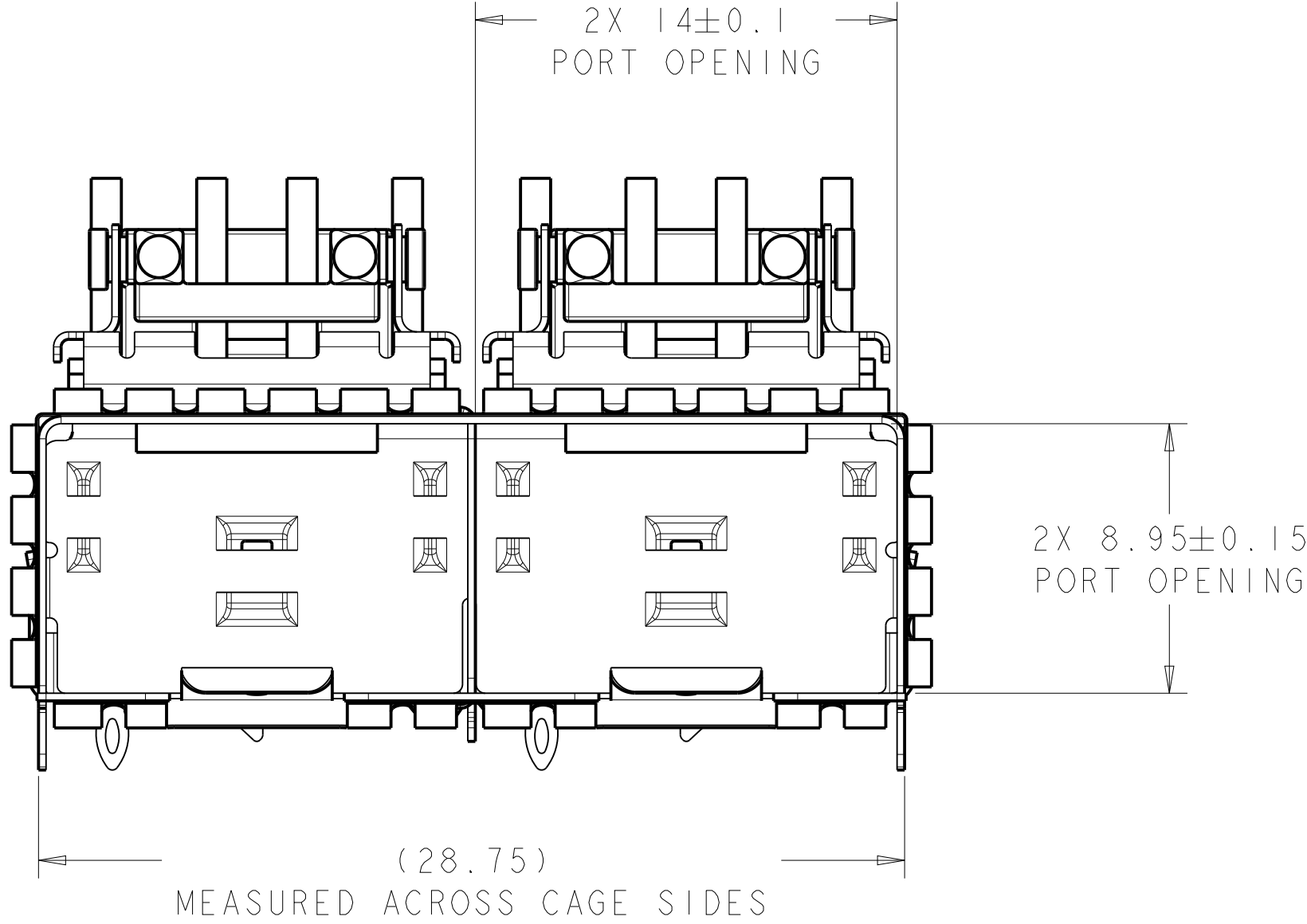
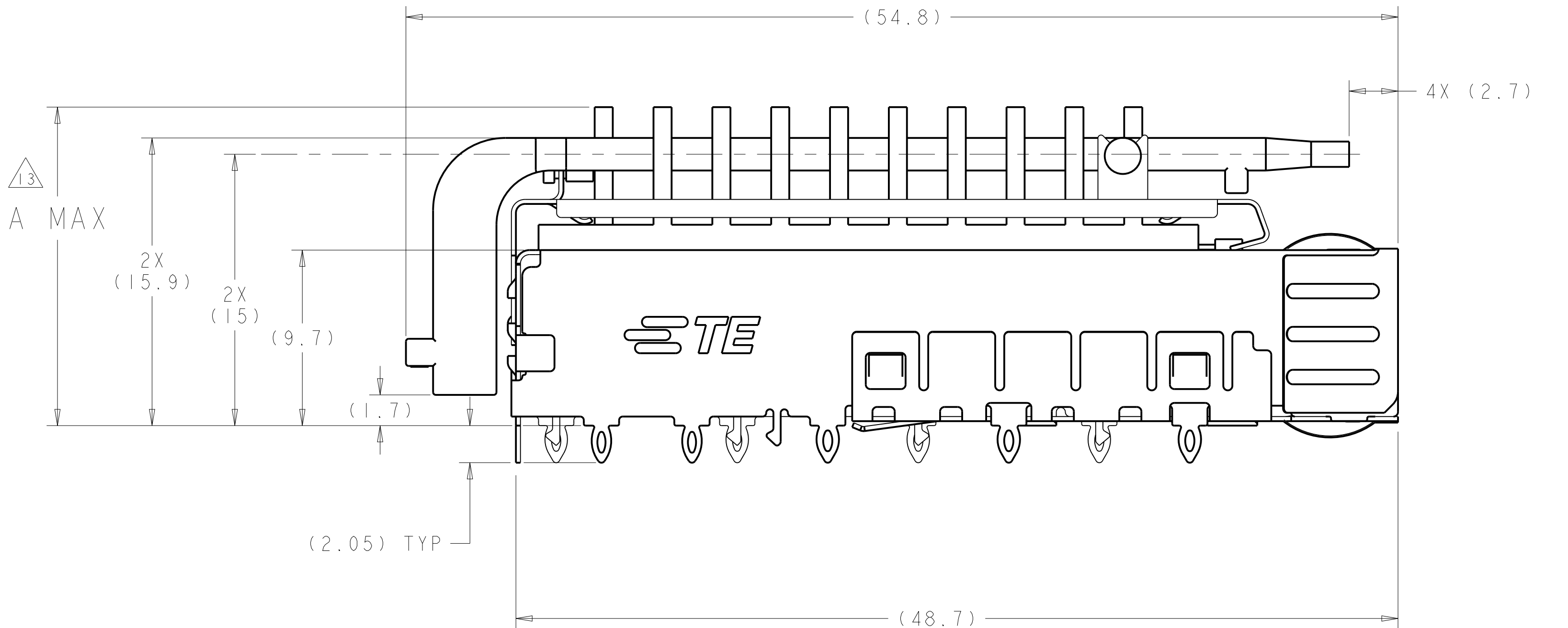
CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.
- 12

PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- 13

DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.
- 14

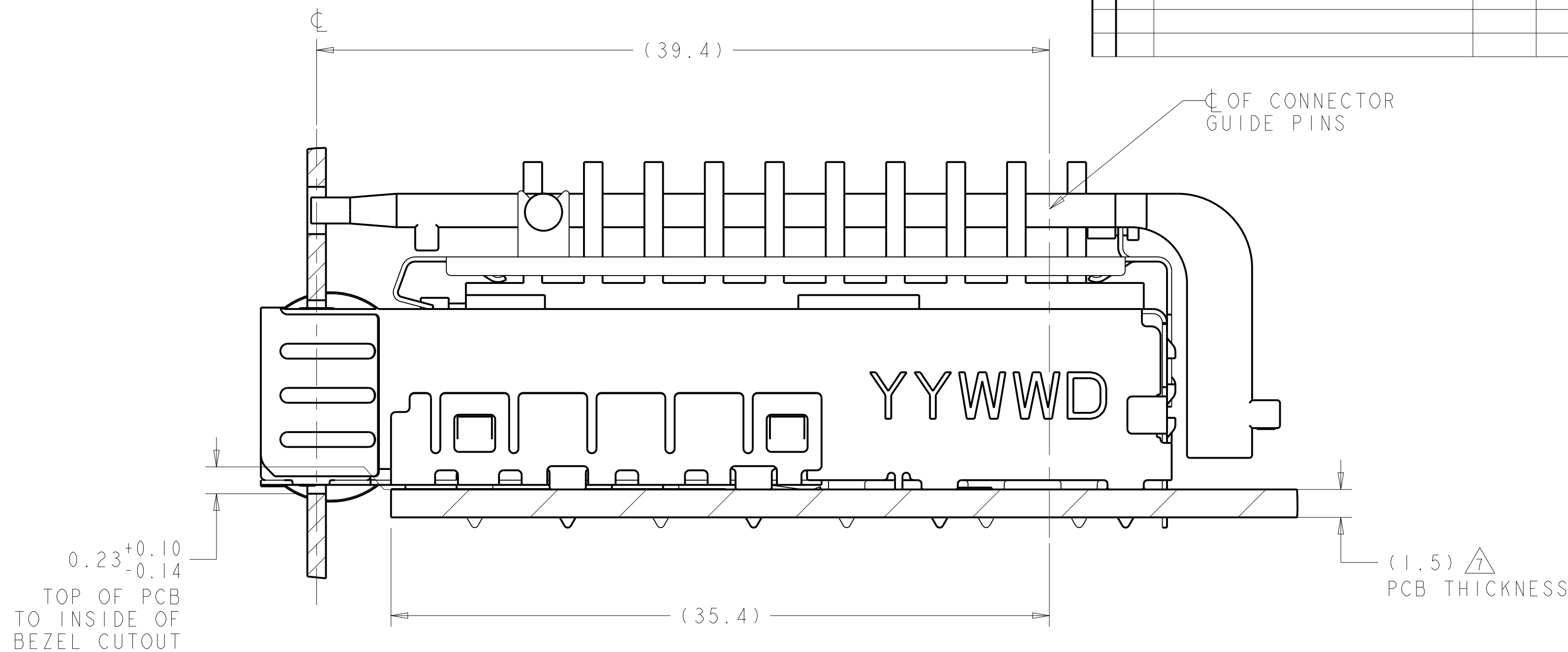
HEATSINK, HEATSINK CLIP, AND LIGHTPIPE SHIPPED UNASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY TO BE PRESSED INTO PCB PRIOR TO ATTACHING HEATSINK, HEATSINK CLIP, AND LIGHTPIPE TO THE CAGE ASSEMBLY.
- 15

PACKAGED AS A COMPLETE ASSEMBLY.

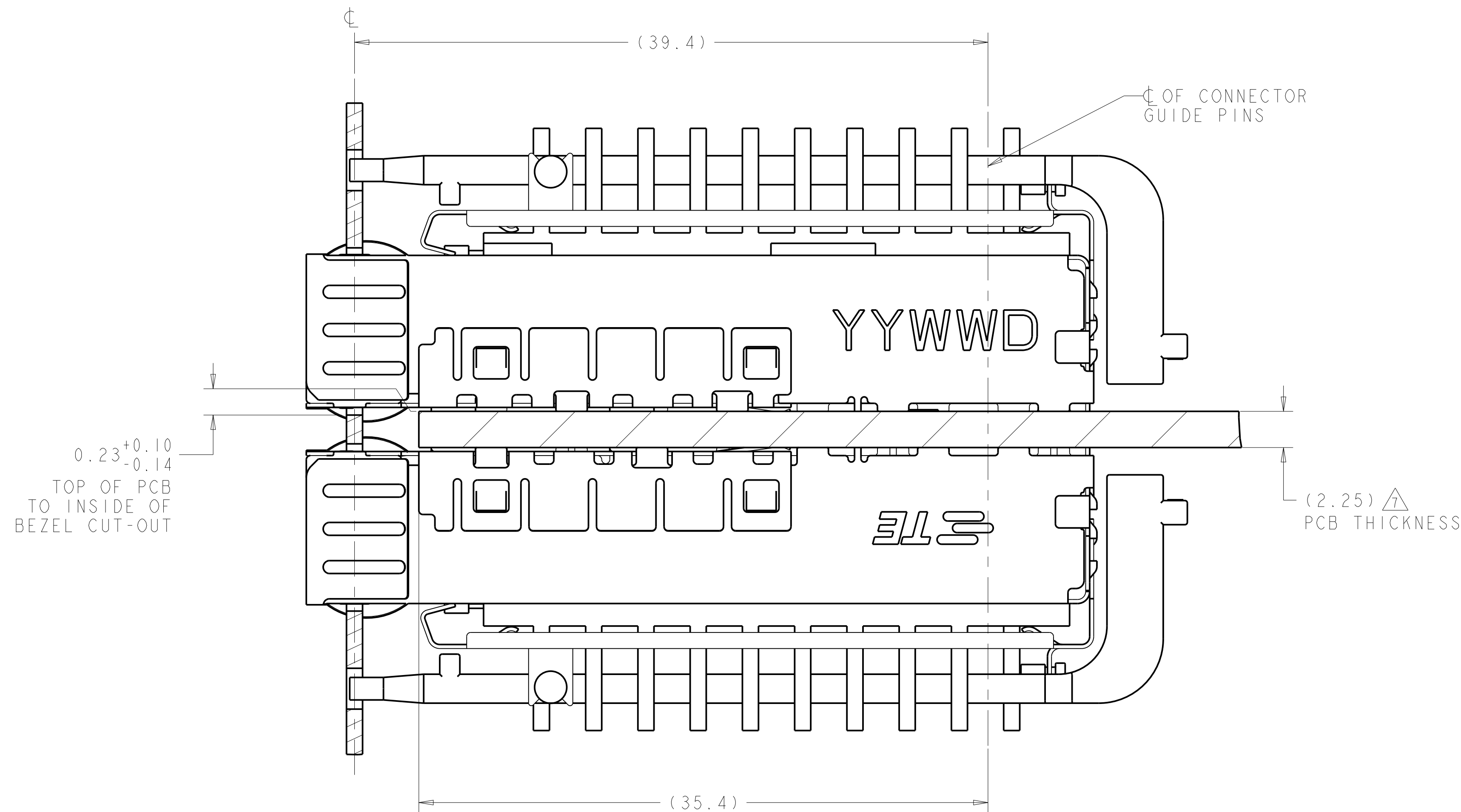


22.5	NETWORKING, TALL	2198231-4
18.1	NETWORKING, SHORT	2198231-3
15.5	SAN	2198231-2
13.2	PCI	2198231-1
A MAX	DESCRIPTION	PART NUMBER



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

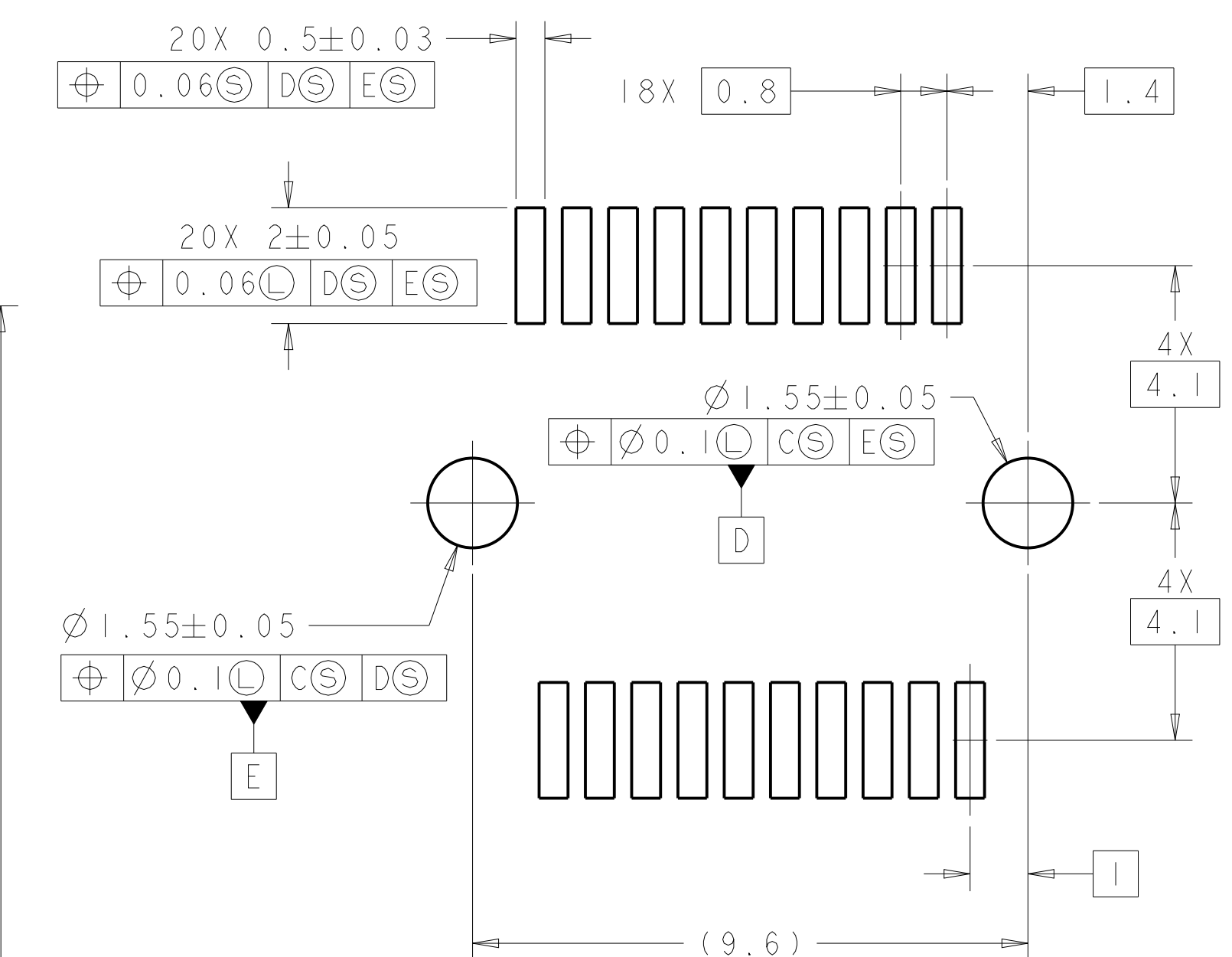


2198231
MOUNTED ON PC BOARD
SHOWN THRU RECOMMENDED BEZEL



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 45°	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



0.55

1.1

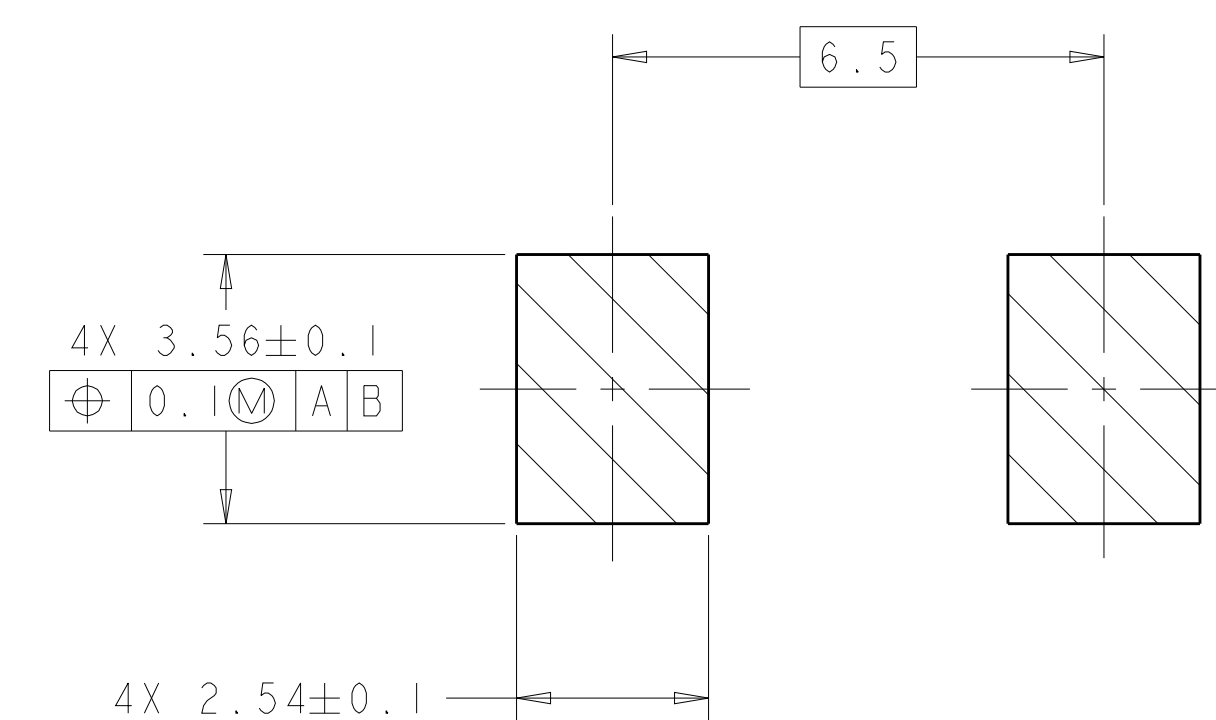
CROSS-HATCHED AREA
DENOTES EXPOSED
CHASSIS GROUND

2X 2

2X 12.05

DETAIL G
SCALE 10:1

DETAIL E
SCALE 10:1



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

4805 (3/11)

