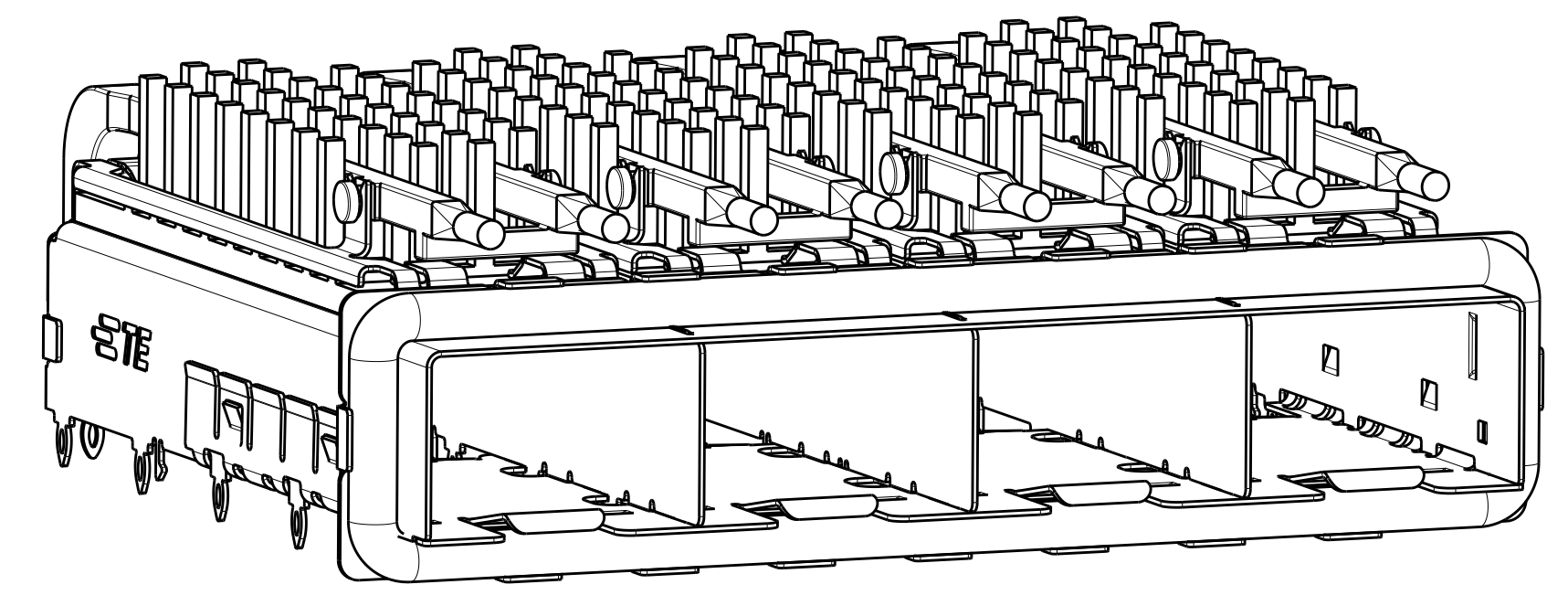


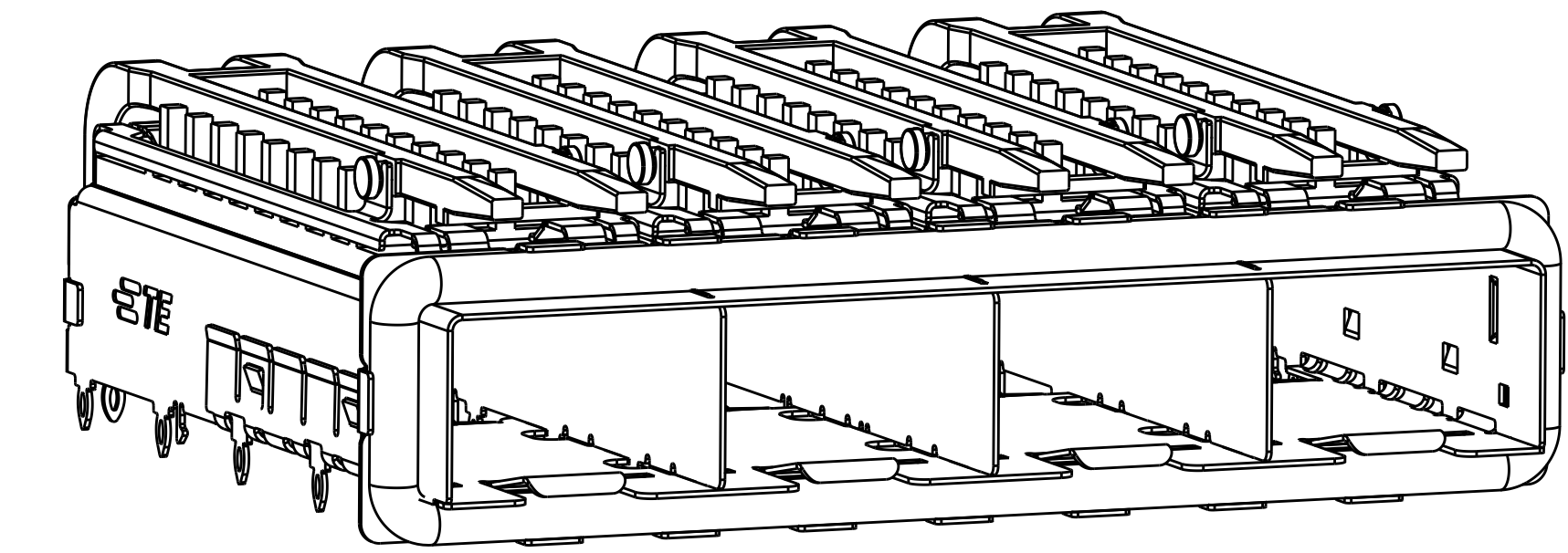
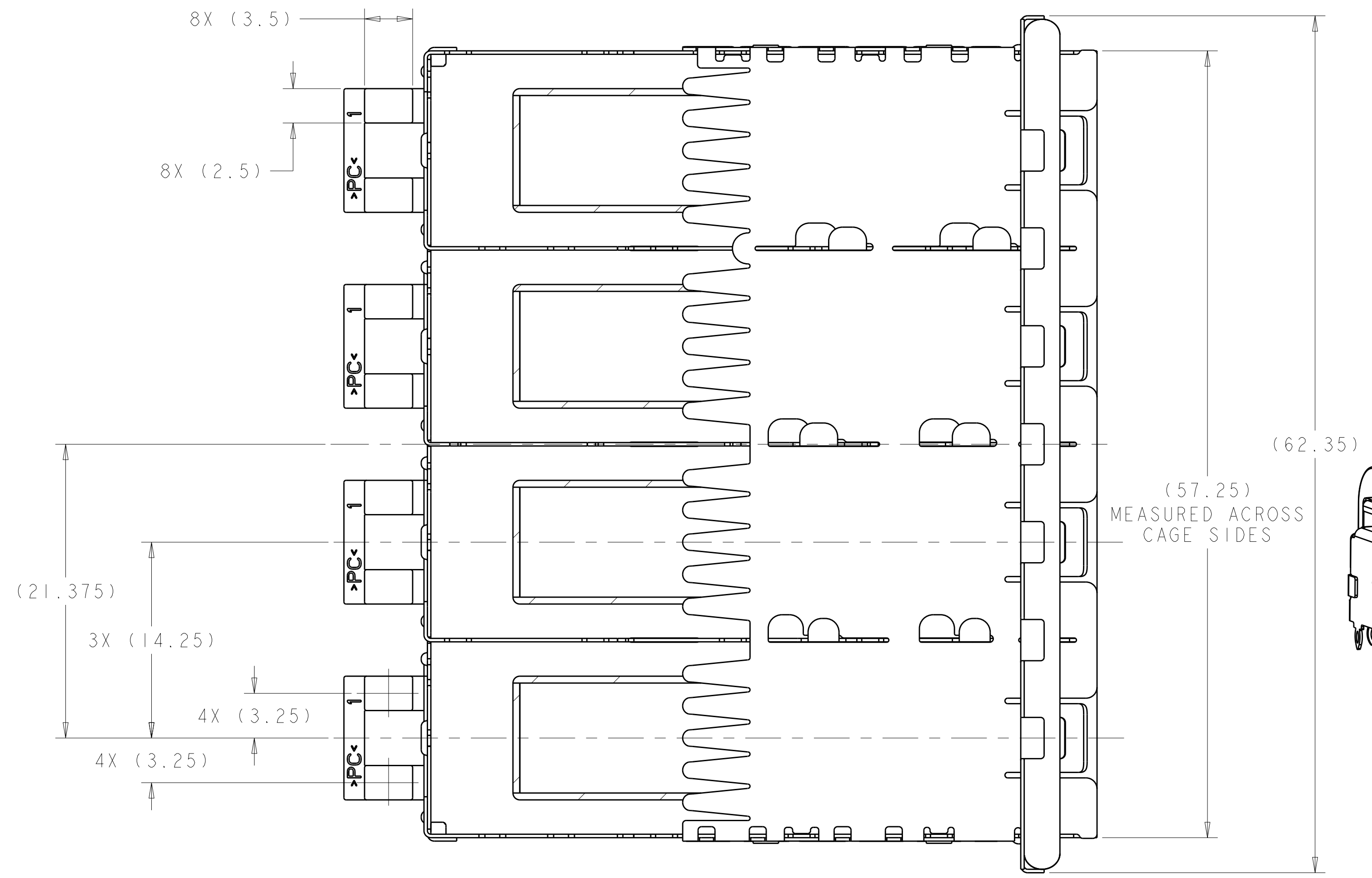
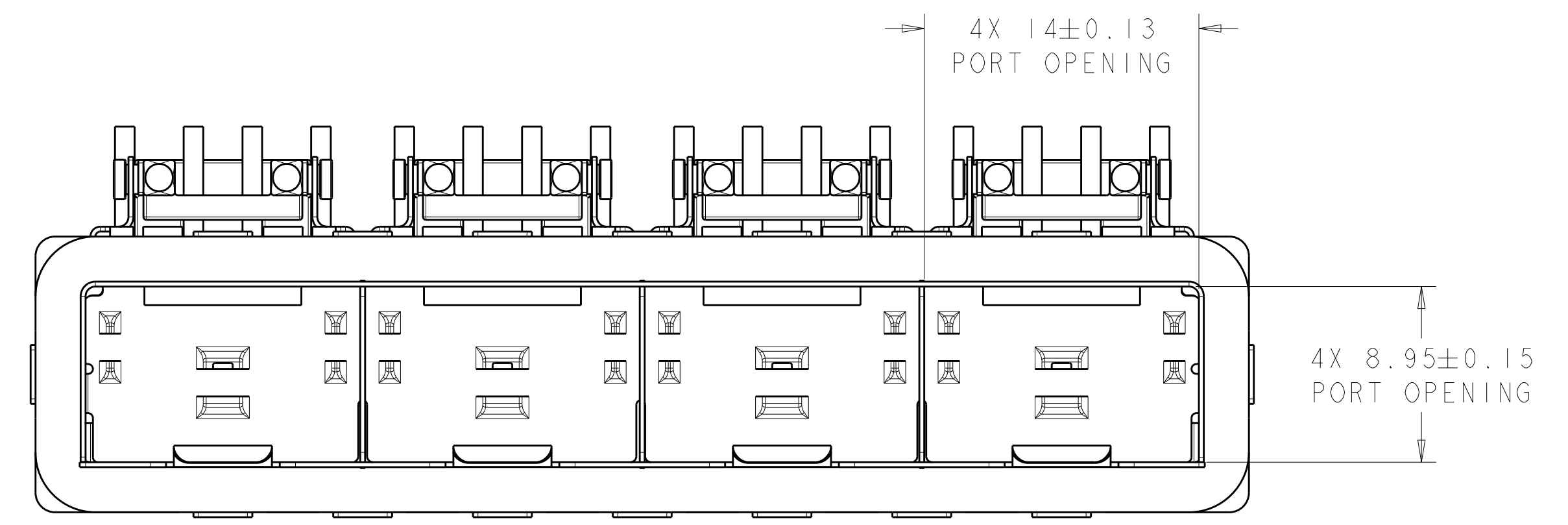
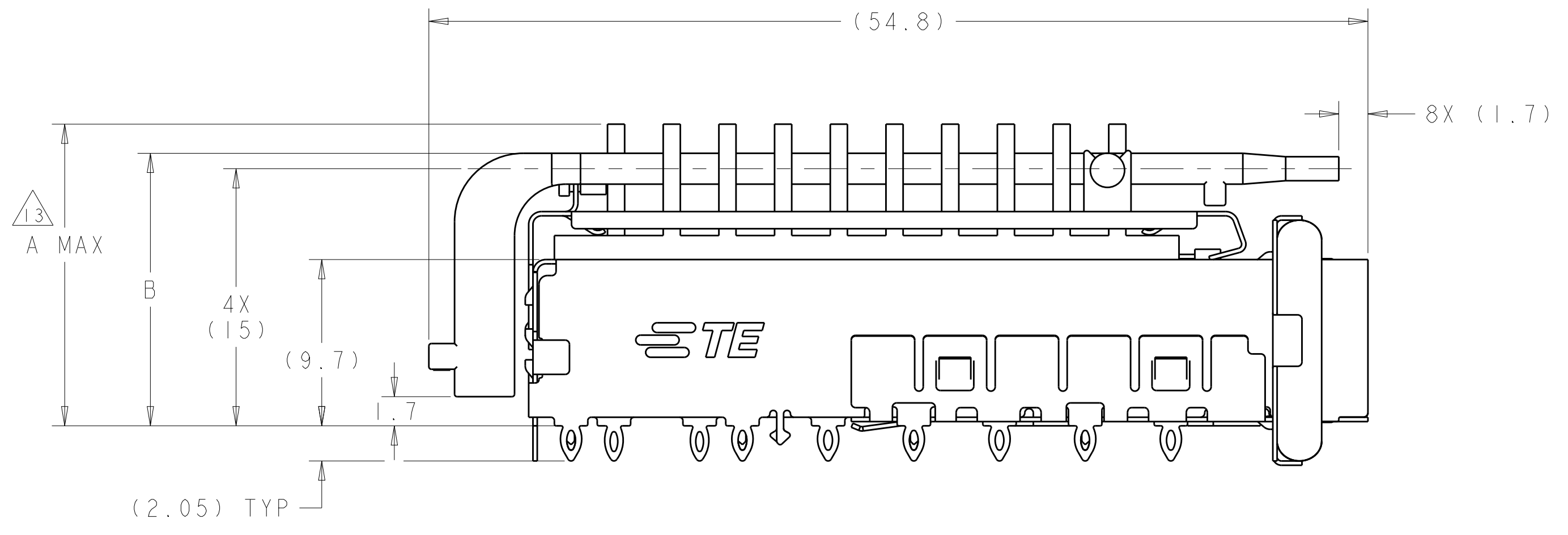
LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
		B		REVISED PER ECO-13-003777	18MAR2013	CJV	MRS
		B1		ADD 2198243-5	4JUN2015	RG	SH
		B2		UPDATE TOTAL HEIGHT OF -5	9JUN2015	RG	SH
		B3		REVISED PER ECO-15-009468	17JUN2015	RG	SH



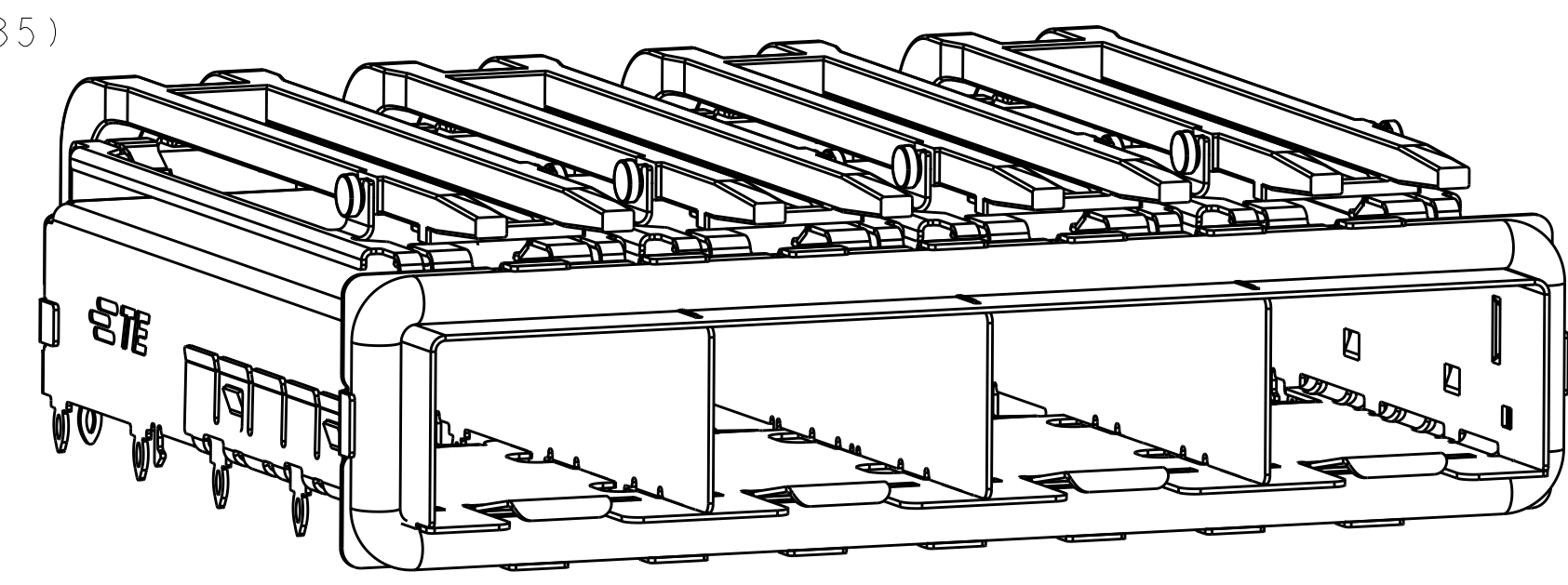
2198243-3
 FINISHED ASSEMBLY
 SCALE 3:1

- 1 MATERIAL:
 CAGE ASSEMBLY: 0.25mm THICK NICKEL SILVER ALLOY
 GASKET RETENTION PLATE: STAINLESS STEEL
 EMI GASKET: PLATED FILLED SILICONE
 HEATSINK/LIGHTPIPE CLIP: STAINLESS STEEL
 HEATSINK: ALUMINUM
 LIGHTPIPE: POLYCARBONATE, CLEAR
- 2 FINISH:
 HEATSINK: ELECTROLEISS NICKEL
 HEATSINK/LIGHTPIPE CLIP: PASSIVATE
- 3 PADS AND VIAS CHASSIS GROUND.
- 4 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.
- 7 REFERENCE APPLICATION SPEC. 114-13120, HOLE A, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 8 REFERENCE APPLICATION SPEC. 114-13120, HOLE B, FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- 9 HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

- 10 MINIMUM PC BOARD THICKNESS:
 SINGLE SIDED: 1.5mm
- 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.



2198243-5
 SCALE 3:1



2198243-6
 SCALE 3:1

15.3	N/A	NO HEAT SINK	2198243-6
15.3	14.9	SAN	2198243-5
15.9	22.5	NETWORKING, TALL	2198243-4
15.9	18.1	NETWORKING, SHORT	2198243-3
15.9	15.5	SAN	2198243-2
15.9	13.2	PCI	2198243-1
B	A MAX	APPLICATION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009. TOLERANCES UNLESS OTHERWISE SPECIFIED:

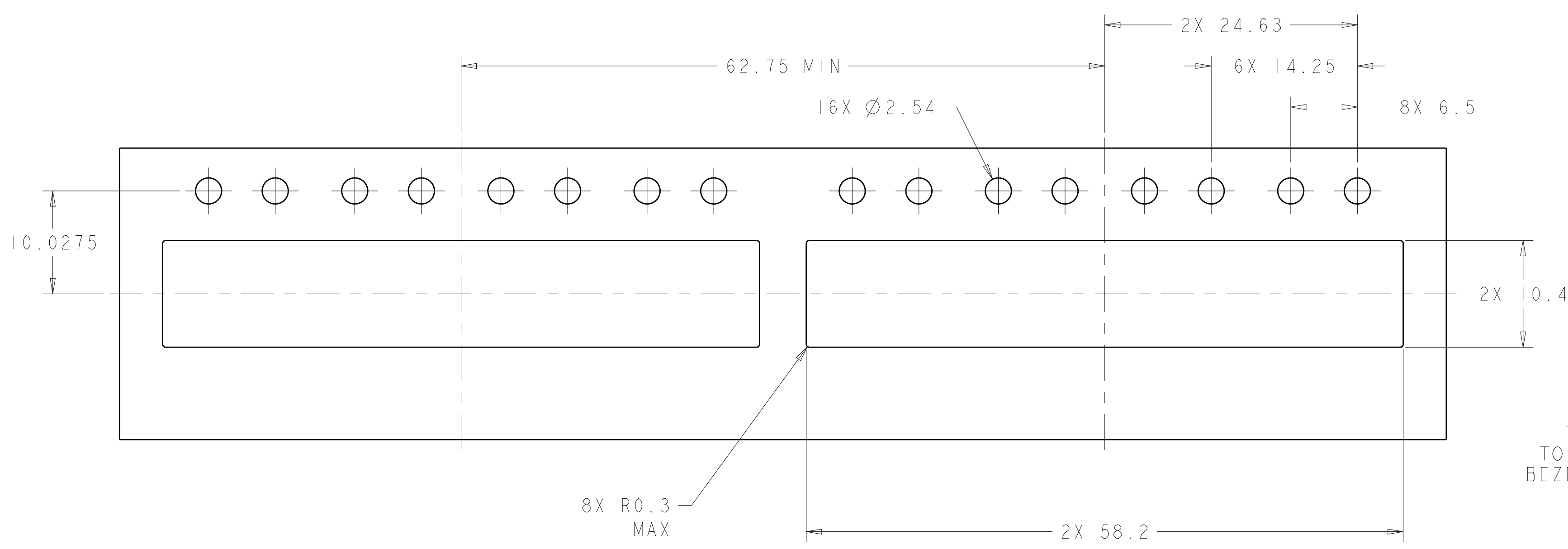
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	0 PLC ±0.1
	1 PLC ±0.1
	2 PLC ±0.1
	3 PLC ±0.1
	4 PLC ±0.1
ANGLES	±0.1
FINISH	±1°

MATERIAL: FINISH:

DWN: B. MATTHEWS 20OCT2011	CHK: M. SCHMITT 20OCT2011	APVD: M. SCHMITT 20OCT2011
NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EMI GASKET WITH HEATSINK AND LIGHTPIPE	PRODUCT SPEC: 108-2364	APPLICATION SPEC: 114-13120
SIZE: A1	CAGE CODE: 00779	DRAWING NO: 2198243
Customer Drawing	SCALE: 4:1	SHEET 1 OF 4

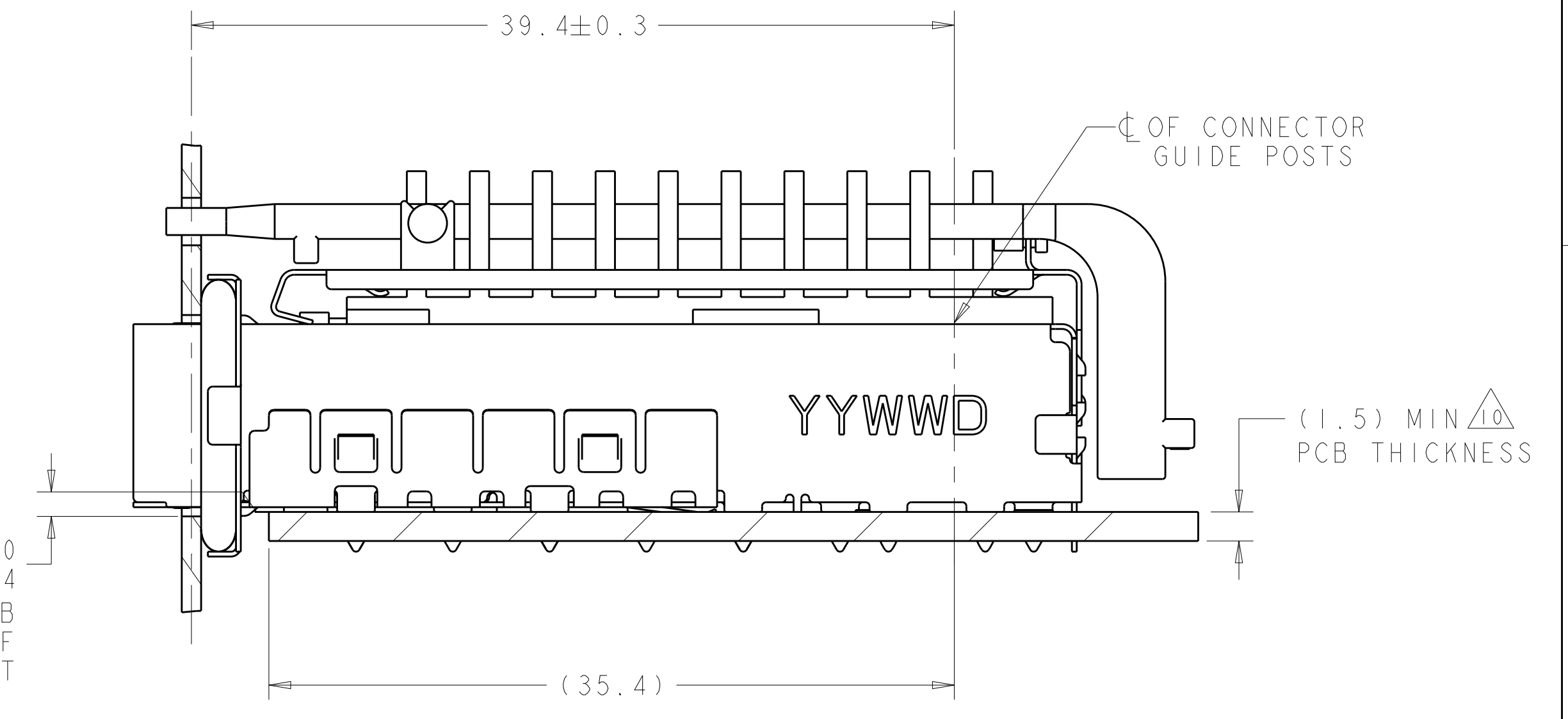
Customer Drawing SCALE 4:1 SHEET 1 OF 4 REV B3

LOC	DIST	REVISIONS			
P	LYR	DESCRIPTION	DATE	OWN	APVD
-	-	SEE SHEET 1	-	-	-

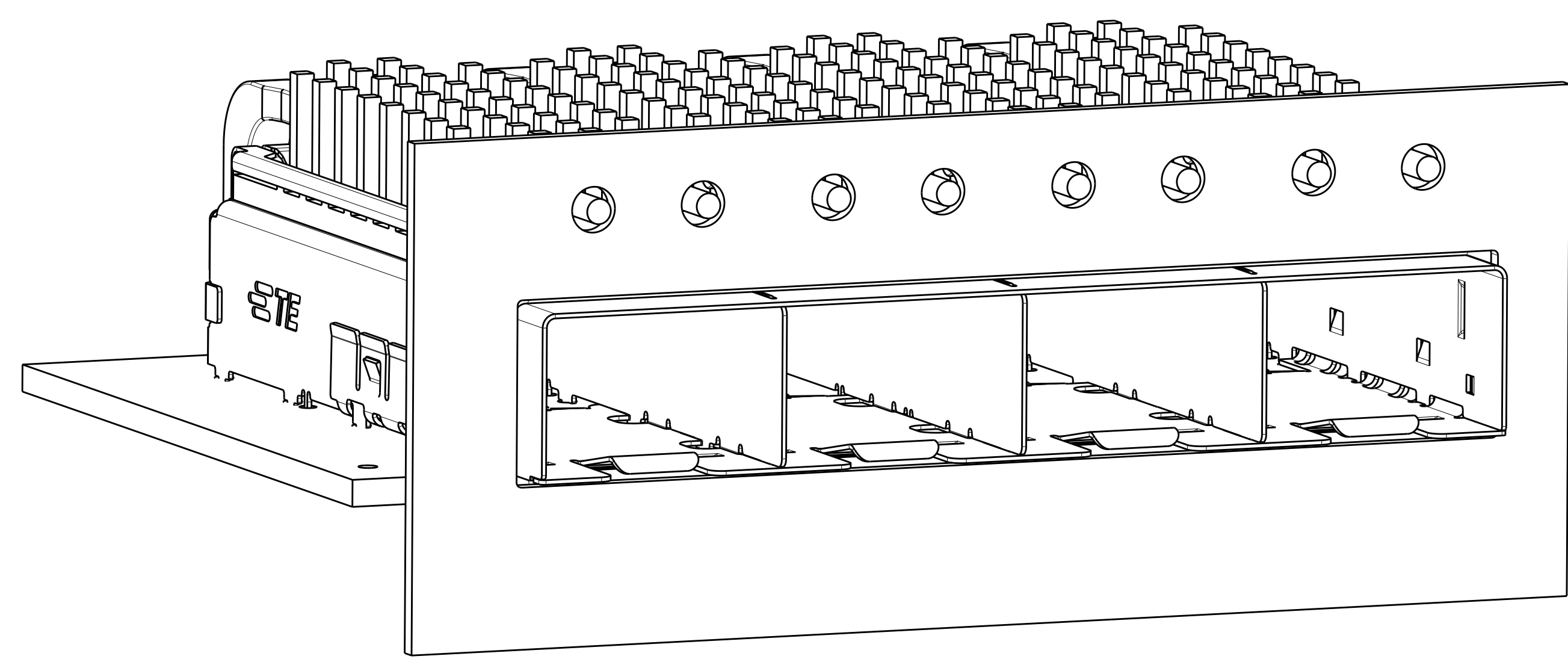


0.23^{+0.10}_{-0.14}
 TOP OF PCB
 TO INSIDE OF
 BEZEL CUT-OUT

RECOMMENDED BEZEL CUT-OUT
 SINGLE SIDED APPLICATIONS
 SCALE 3:1



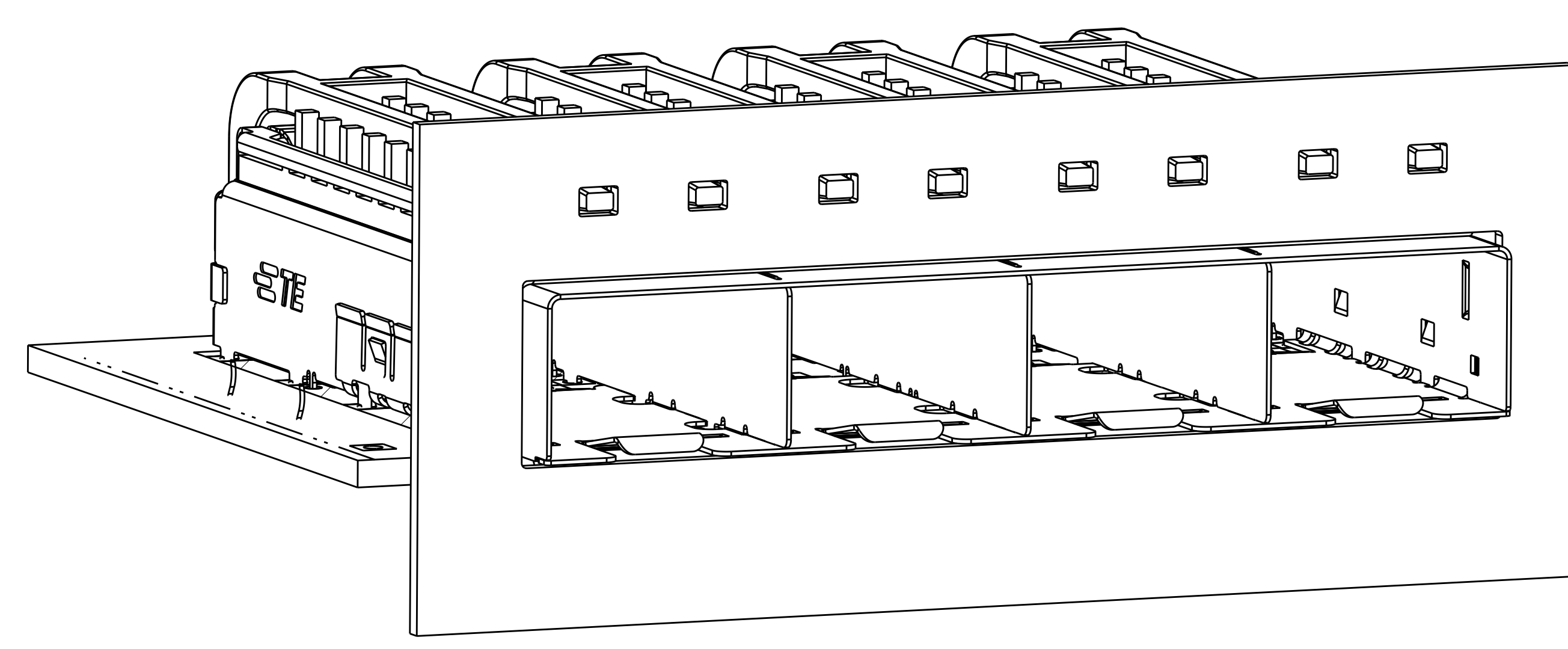
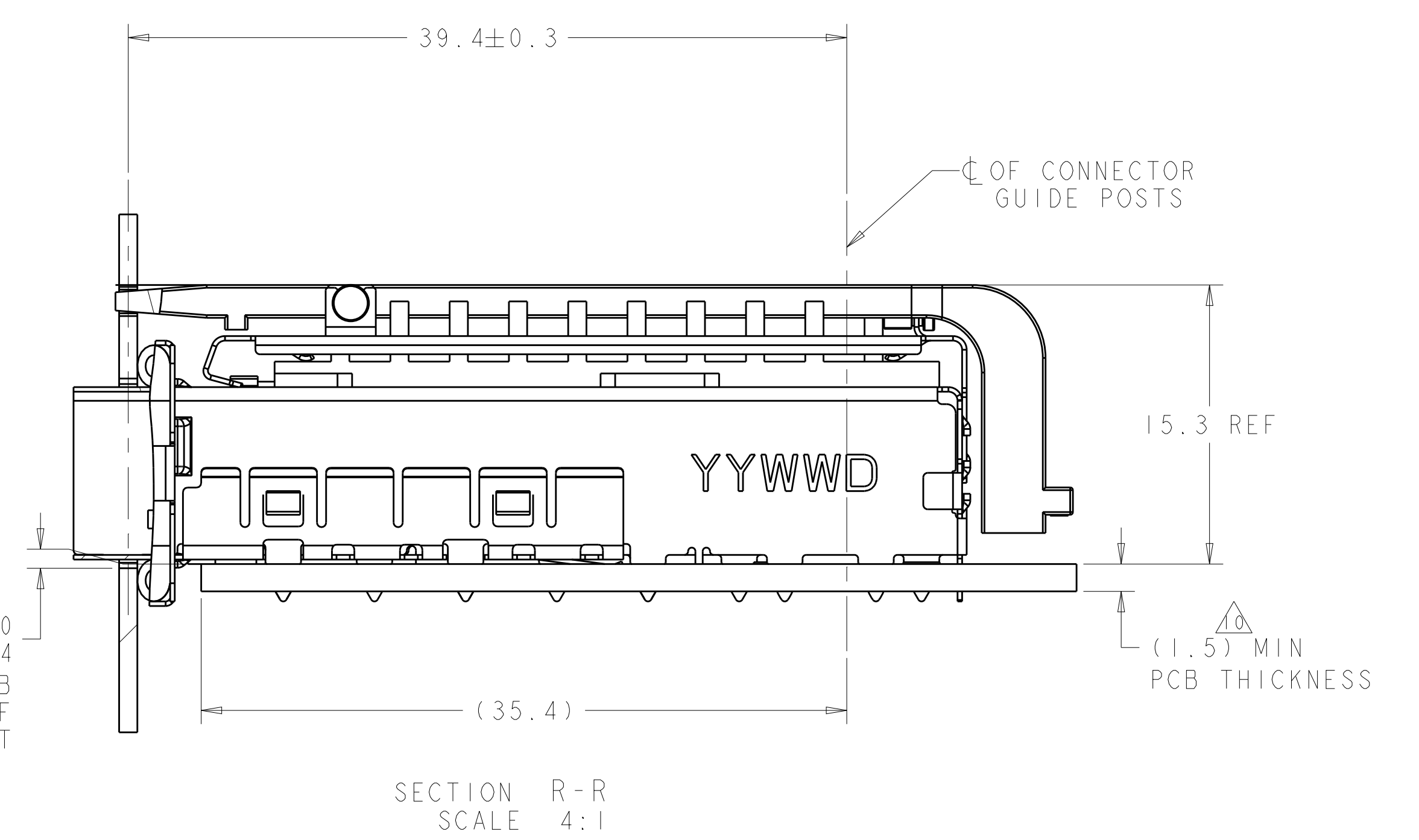
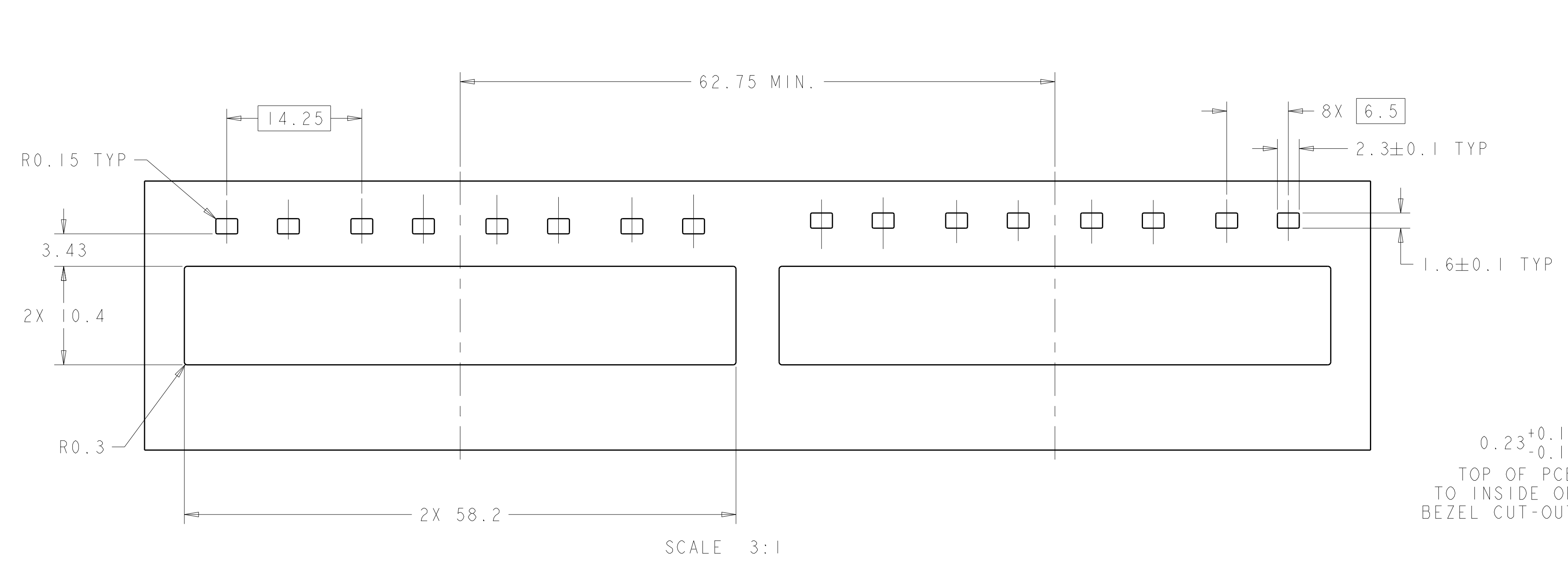
2198243
 MOUNTED ON PCB
 SHOWN THRU RECOMMENDED BEZEL



2198243
 MOUNTED ON PCB
 SHOWN THRU RECOMMENDED BEZEL

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		OWN: B. MATTHEWS 20OCT2011 CHK: M. SCHMITT 20OCT2011 APVD: M. SCHMITT 20OCT2011	TE Connectivity	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC: 108-2364	NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EMI GASKET WITH HEATSINK AND LIGHTPIPE	
	0 PLC ±0.1 1 PLC ±0.1 2 PLC ±0.1 3 PLC ±0.1 4 PLC ±0.1 ANGLES ±1°	APPLICATION SPEC: 114-13120	SIZE: A100779	DRAWING NO: C=2198243
MATERIAL:	FINISH:	WEIGHT:	Customer Drawing	SCALE: 4:1 SHEET 2 OF 4 REV: B3

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

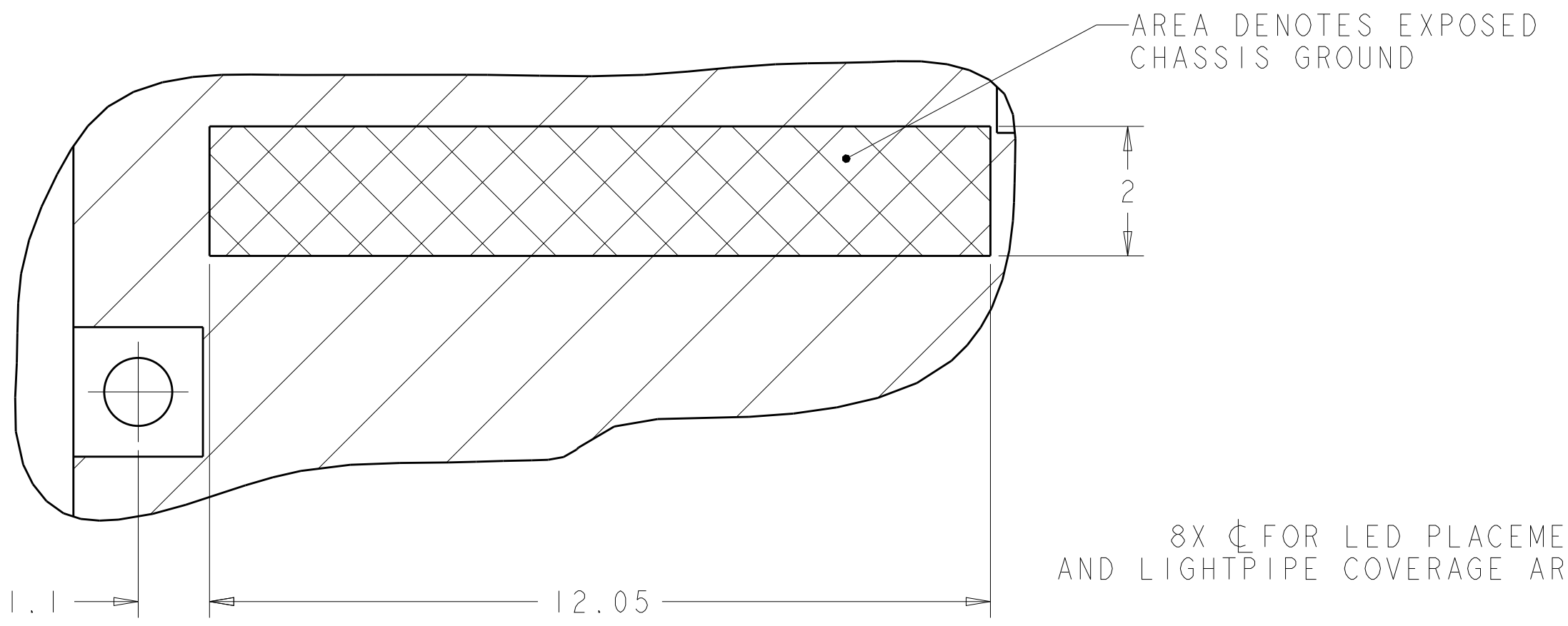


2198243-5
 MOUNTED ON PCB
 SHOWN THRU RECOMMENDED BEZEL
 SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B. MATTHEWS 20OCT2011 CHK M. MATTHEWS 20OCT2011 APVD M. SCHMITT 20OCT2011	TE Connectivity
DIMENSIONS: mm 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 ±1°		NAME SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EMI GASKET WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC 108-2364 APPLICATION SPEC 114-13120 WEIGHT - Customer Drawing	
MATERIAL FINISH		SIZE CAGE CODE DRAWING NO A100779C=2198243	RESTRICTED TO SCALE 4:1 SHEET 3 OF 4 REV B3

LOC	DIST	REV	DATE	APPD
GP	00			

REVISIONS				
REV	DATE	APPD	DESCRIPTION	BY
-	-	-	SEE SHEET 1	-



- 9 2X 11.925
- 9 7.125
- 4X 3.875
- 9 2X 2.325

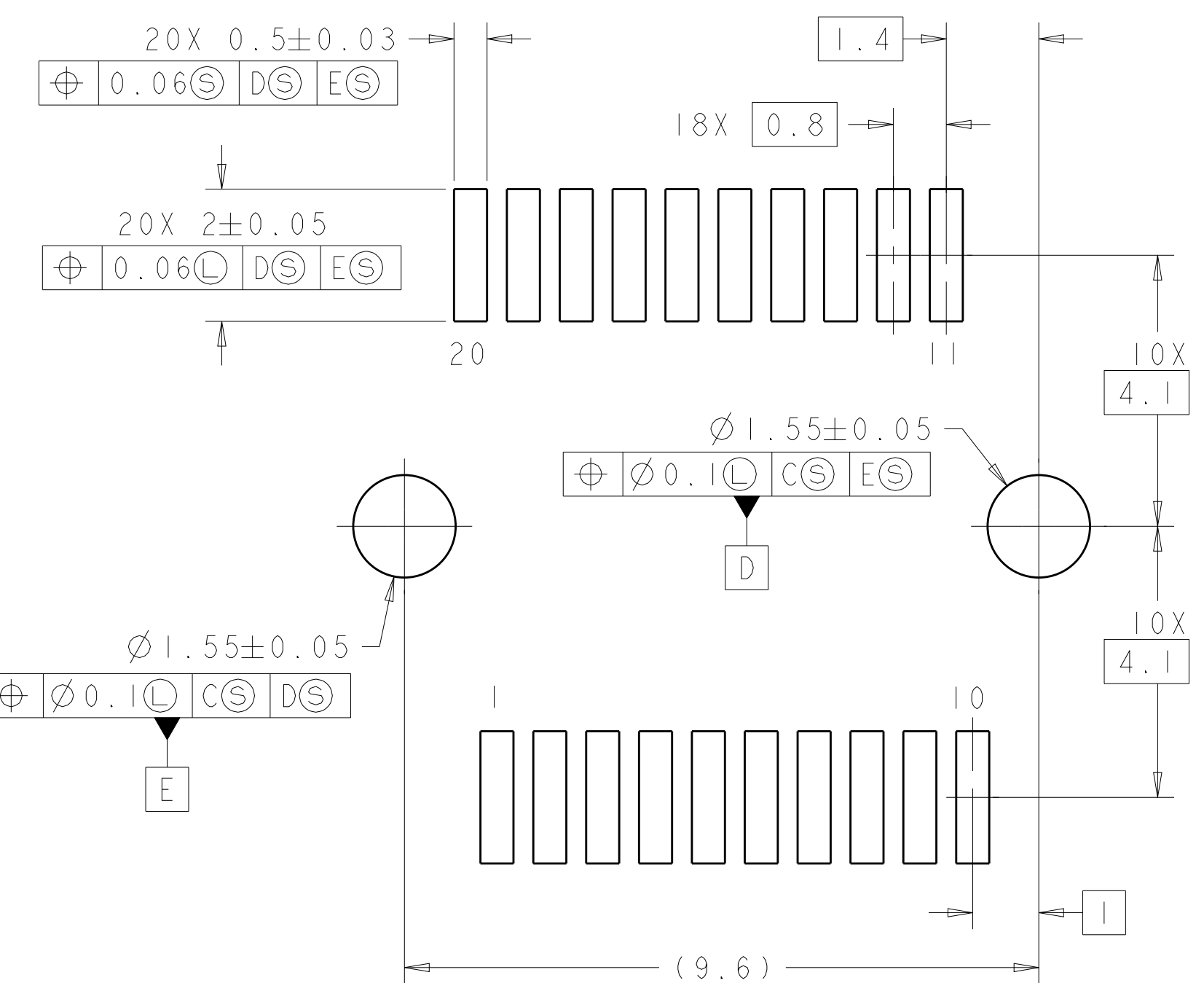
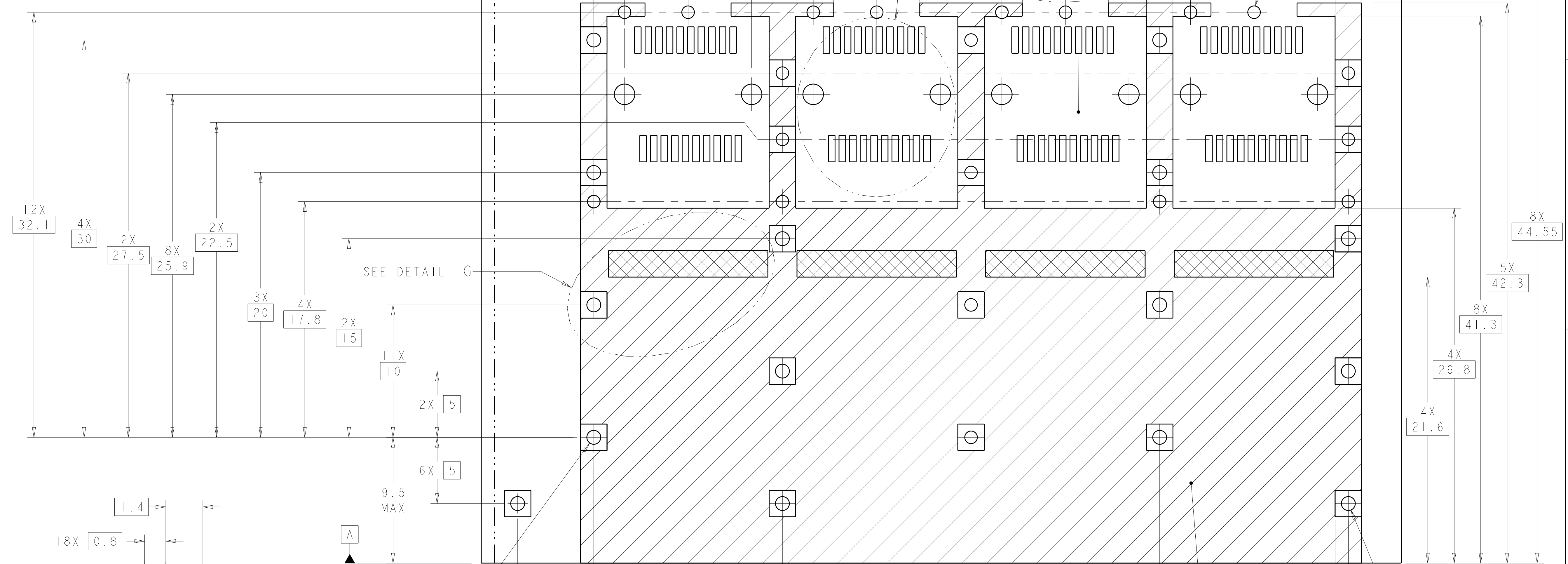
THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

SEE DETAIL E
 SEE DETAIL F

8X ϕ FOR LED PLACEMENT AND LIGHTPIPE COVERAGE AREA

26X (ϕ 0.95) Δ
 ϕ 0.10 CS
 PLATING REQUIRED

DETAIL G
 4X INDIVIDUALLY
 SCALE 12:1



DETAIL F
 RECOMMENDED PT CONNECTOR LAYOUT
 4X INDIVIDUALLY
 SCALE 12:1

Δ (ϕ 1.05)
 PLATING REQUIRED
 ϕ 0.10 AB

8X 3.56 \pm 0.1
 ϕ 0.10 AB

8X 2.54 \pm 0.1

DETAIL E
 SCALE 12:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.		OWN: B. MATTHEWS 20OCT2011 CH: M. SCHMITT 20OCT2011 APVD: M. SCHMITT 20OCT2011	TE Connectivity NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EMI GASKET WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC: 108-2364 APPLICATION SPEC: SIZE: 114-13120 WEIGHT: Customer Drawing
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC \pm 0.1 1 PLC \pm 0.1 2 PLC \pm 0.1 3 PLC \pm 0.1 4 PLC \pm 0.1 ANGLES \pm 1°	
MATERIAL: Δ	FINISH: Δ	SCALE: 4:1 SHEET: 4 OF 4 REV: B3	RESTRICTED TO: A100779C=2198243