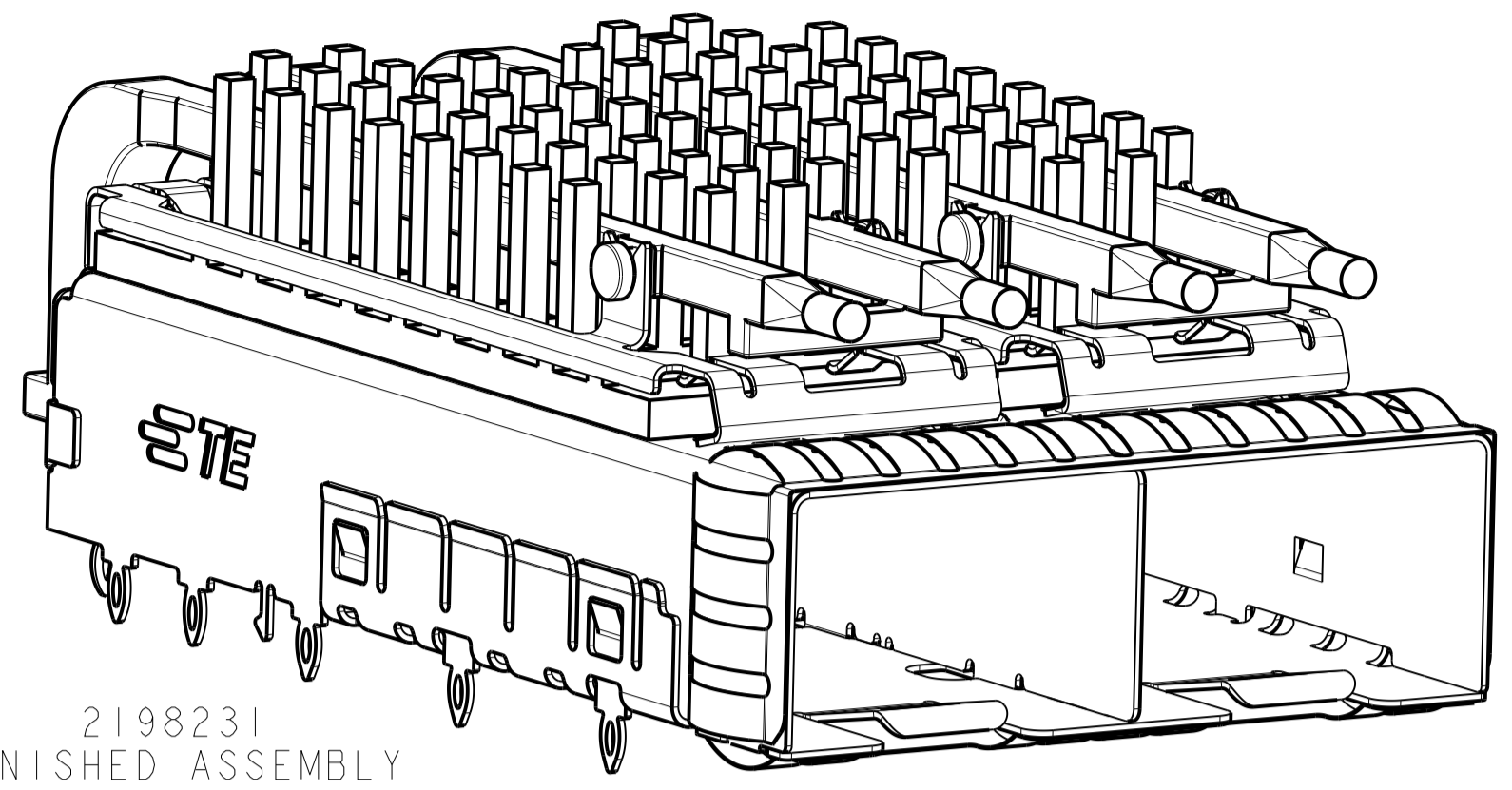


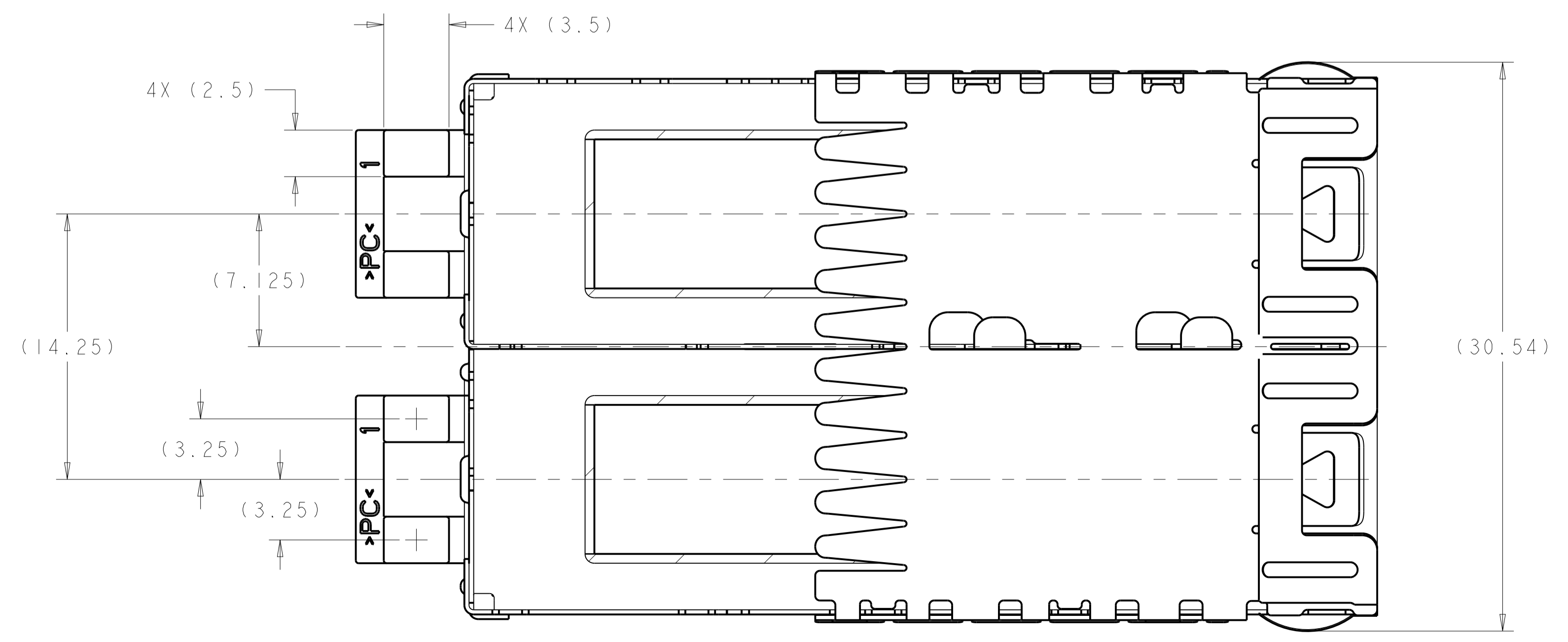
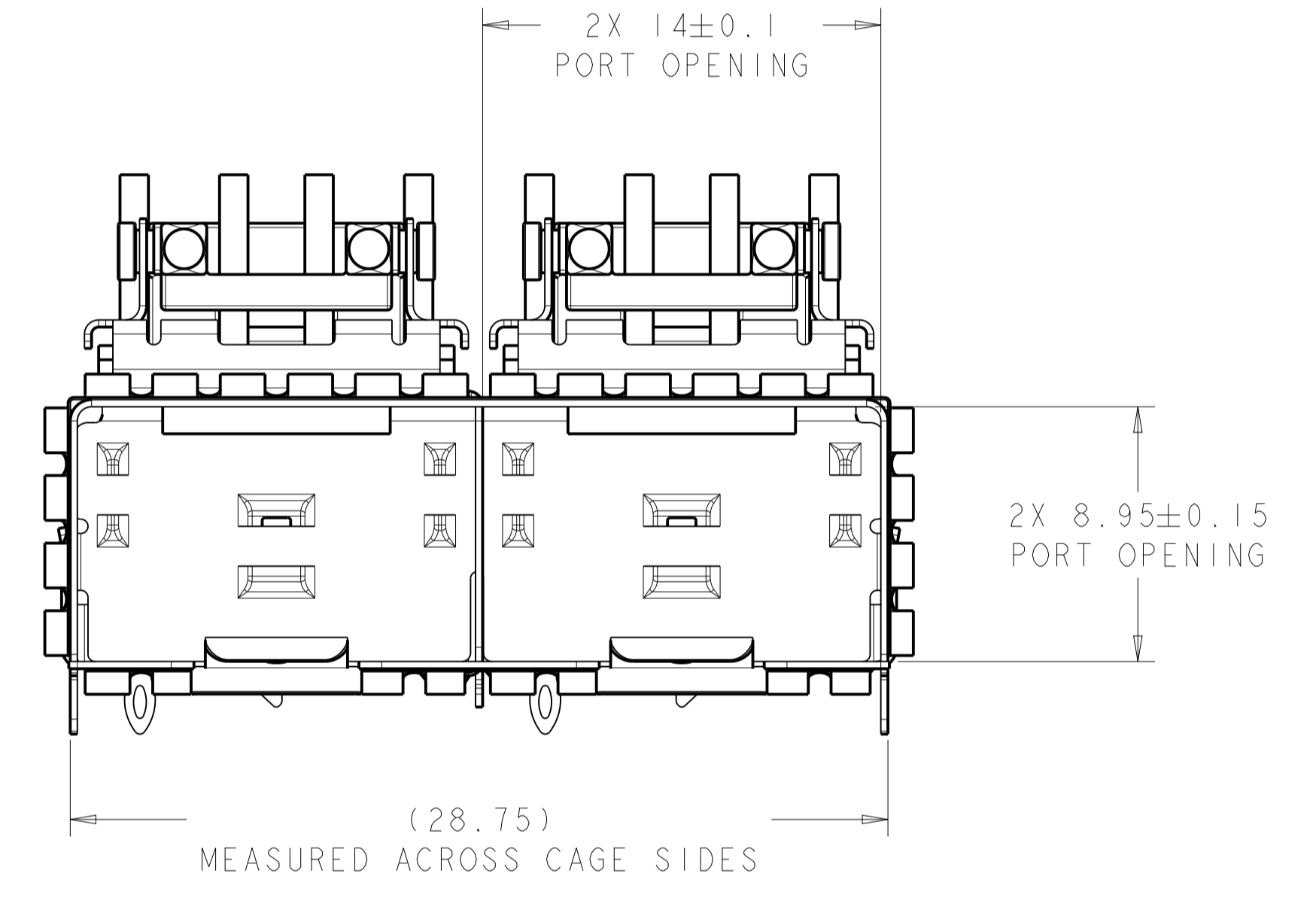
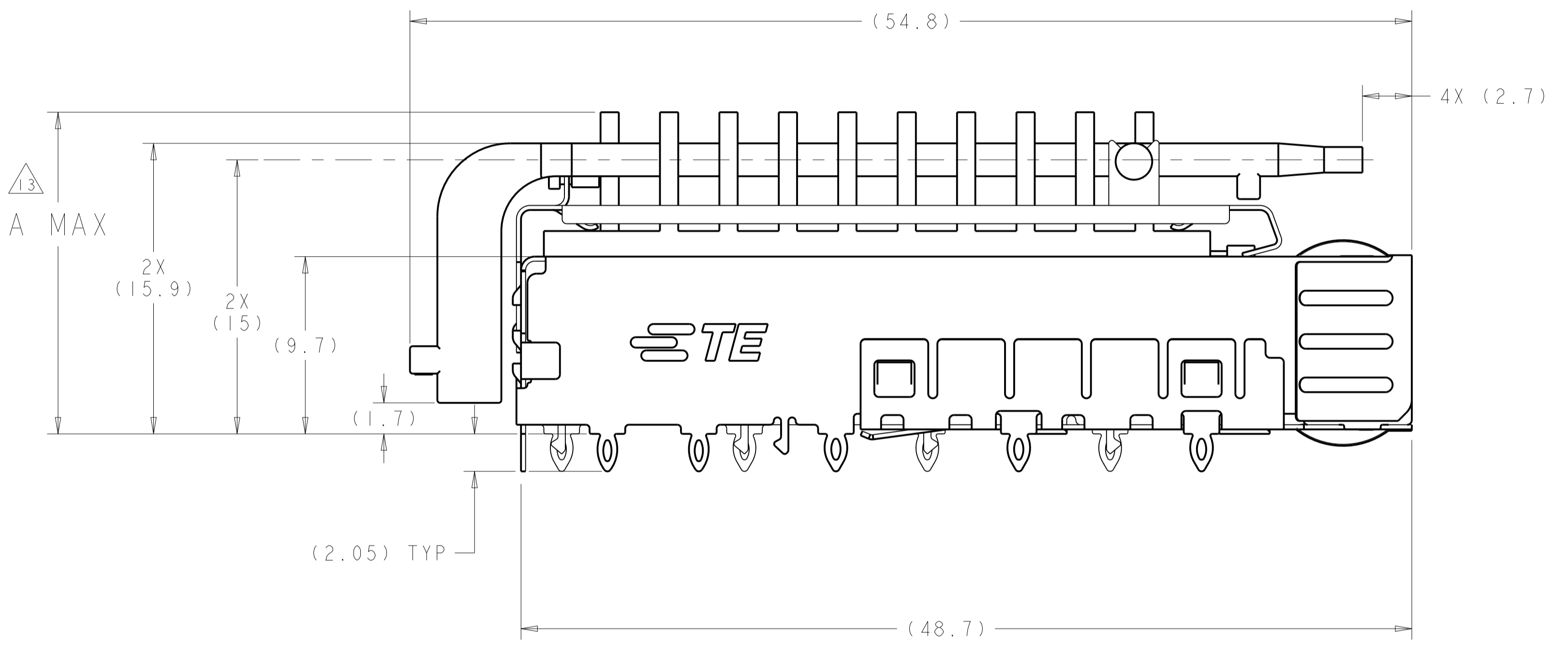
| LOC | DIST | REVISIONS | | | |
|-----|------|-----------|----------------------------|------------|---------|
| GP | 00 | REV | DATE | BY | CHK |
| | | A | RELEASED PER ECO-12-013192 | 18OCT2012 | BMM MRS |
| | | A1 | RELEASED PER ECO-14-008488 | 06JUNE2014 | PP SH |



2198231
FINISHED ASSEMBLY
SCALE 4:1

- 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.
- 4. PADS AND VIAS CHASSIS GROUND.
- 5. MATES WITH SFP MSA COMPLIANT RECEIVERS.
- 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.

- 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.

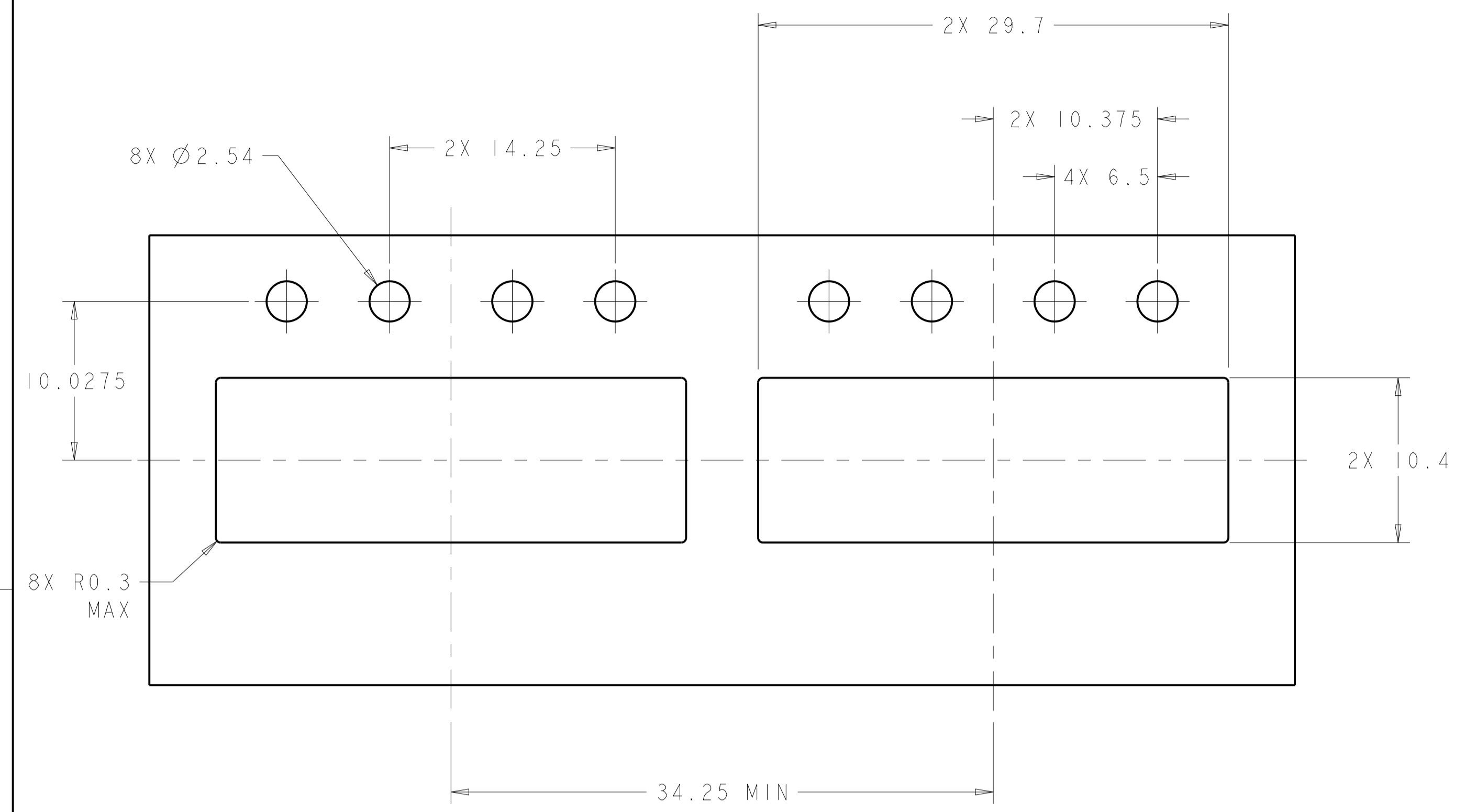


| | | |
|-------|-------------------|-------------|
| 22.5 | NETWORKING, TALL | 2198231-4 |
| 18.1 | NETWORKING, SHORT | 2198231-3 |
| 15.5 | SAN | 2198231-2 |
| 13.2 | PCI | 2198231-1 |
| A MAX | DESCRIPTION | PART NUMBER |

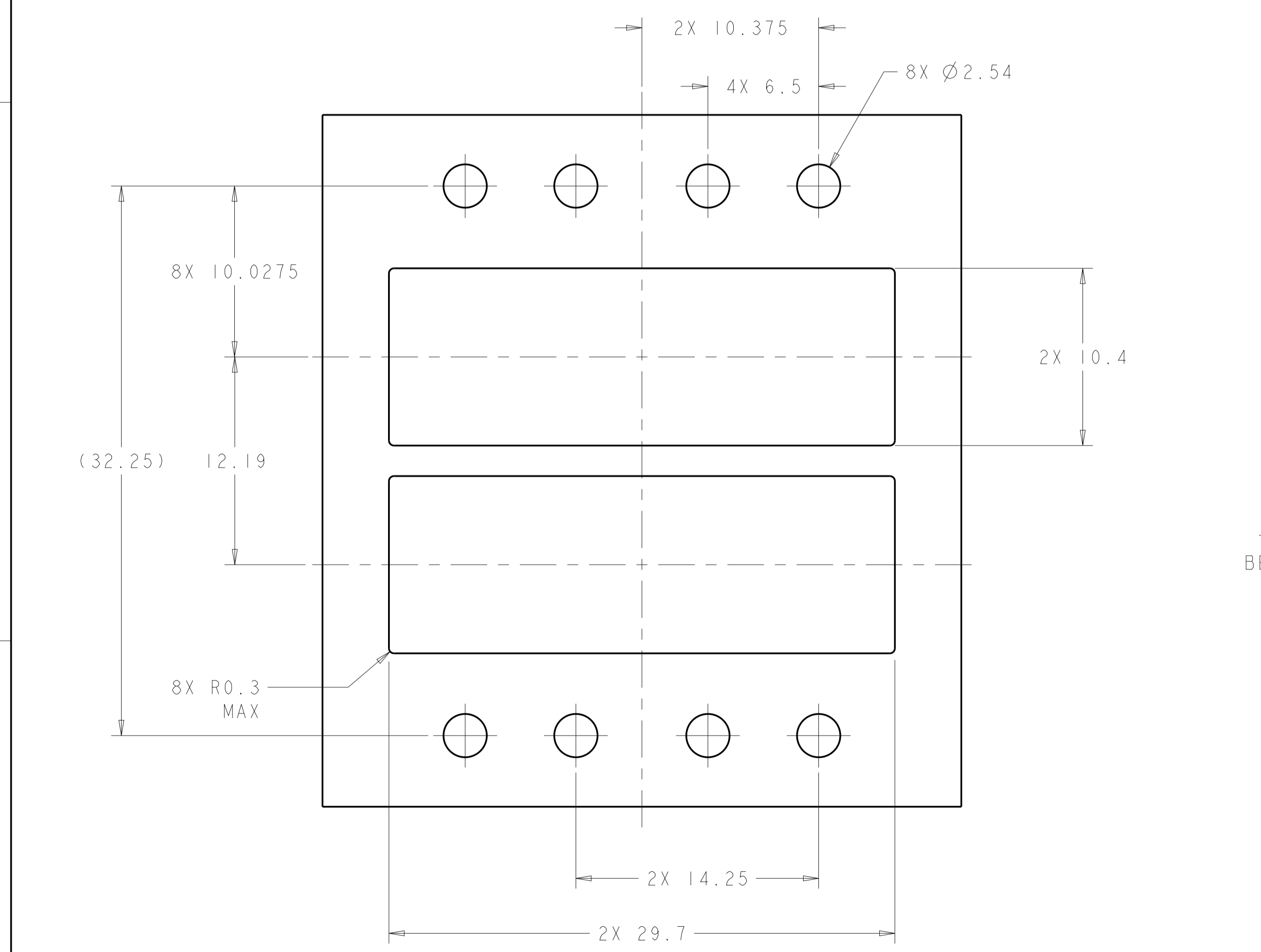
| | | | |
|--|--|---------------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | OWN: B. MATTHEWS 15NOV2011 | TE Connectivity |
| DIMENSIONS: mm | | CHK: M. SCHMITT 15NOV2011 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: M. SCHMITT 15NOV2011 | NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 SIZE: CAGE CODE DRAWING NO WEIGHT: - RESTRICTED TO: A100779C=2198231 |
| 0 PLC ±0.13 | | REVISIONS | |
| 1 PLC ±0.1 | | Customer Drawing | |
| 2 PLC ±0.08 | | SCALE: 5:1 SHEET 1 OF 4 REV: A1 | |

| LOC | DIST | REV | DATE | BY | APPV |
|-----|------|-----|------|----|------|
| GP | 00 | | | | |

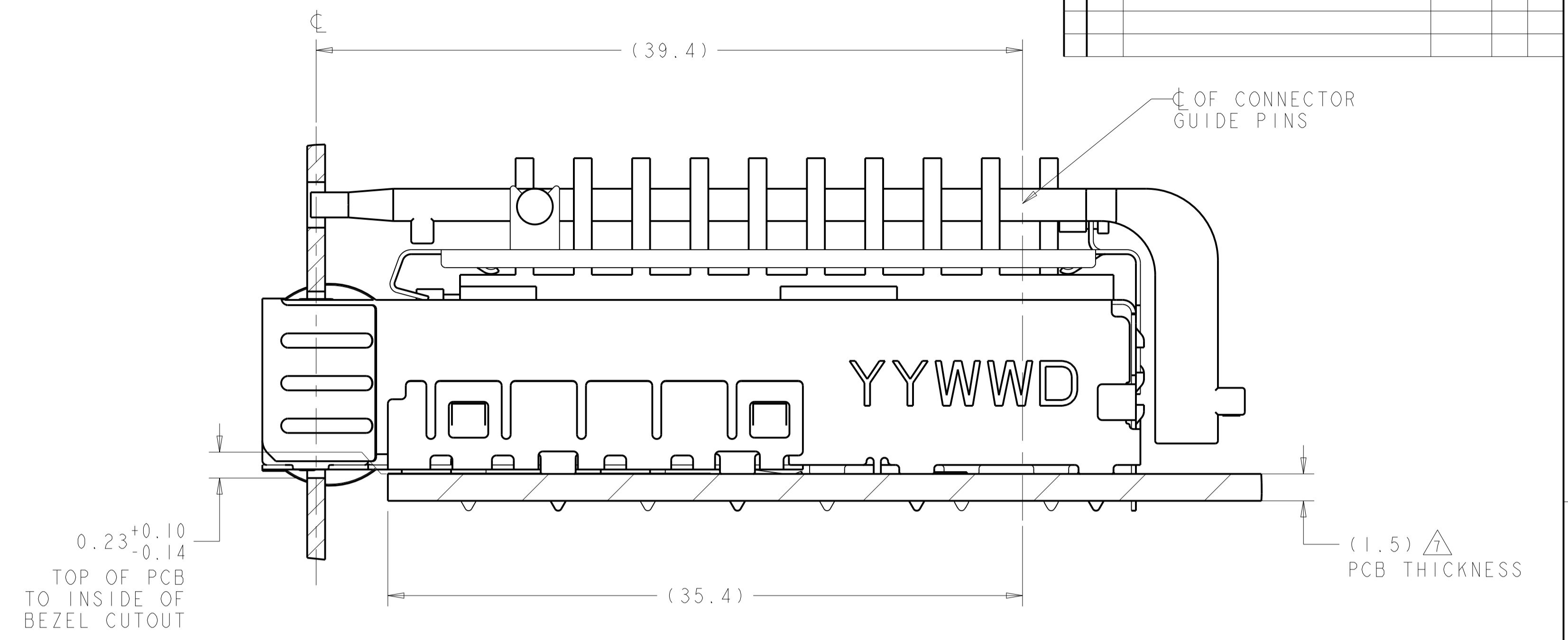
| REVISIONS | | | |
|-----------|-------------|------|----|
| NO. | DESCRIPTION | DATE | BY |
| 1 | SEE SHEET 1 | | |



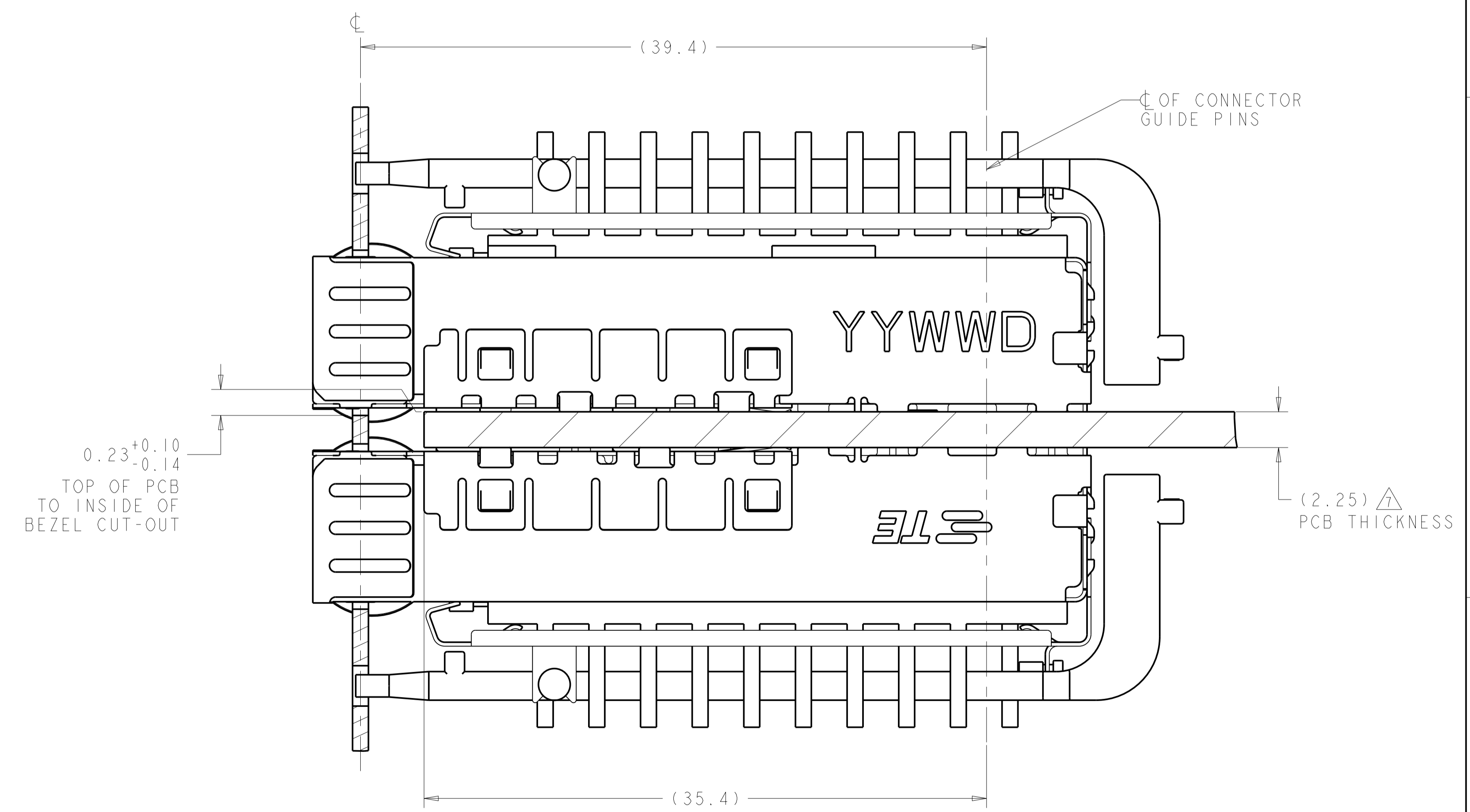
RECOMMENDED BEZEL CUT-OUT
SINGLE SIDED APPLICATIONS
SCALE 4:1



RECOMMENDED BEZEL CUT-OUT
BELLY TO BELLY APPLICATIONS



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. | | OWN: B. MATTHEWS 15NOV2011 | TE Connectivity |
| DIMENSIONS: mm | | CHK: M. SCHMITT 15NOV2011 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD: M. SCHMITT 15NOV2011 | NAME: SFP+ ENHANCED 1X2 CAGE ASSEMBLY, PRESS-FIT, EXTERNAL EMI SPRINGS WITH HEATSINK AND LIGHTPIPE PRODUCT SPEC: 108-2364 APPLICATION SPEC: 114-13120 SIZE: A1 CAGE CODE: 100779 DRAWING NO: 2198231 RESTRICTED TO: A1 |
| 0 PLC ±0.13 | | PRODUCT SPEC: 108-2364 | |
| 1 PLC ±0.1 | | APPLICATION SPEC: 114-13120 | |
| 2 PLC ±0.08 | | WEIGHT: - | |
| 3 PLC ±0.05 | | Customer Drawing | SCALE: 5:1 |
| 4 PLC ±0.05 | | | SHEET: 2 OF 4 |
| ANGLES: ±0.5 | | | REV: A1 |
| FINISH: - | | | |

