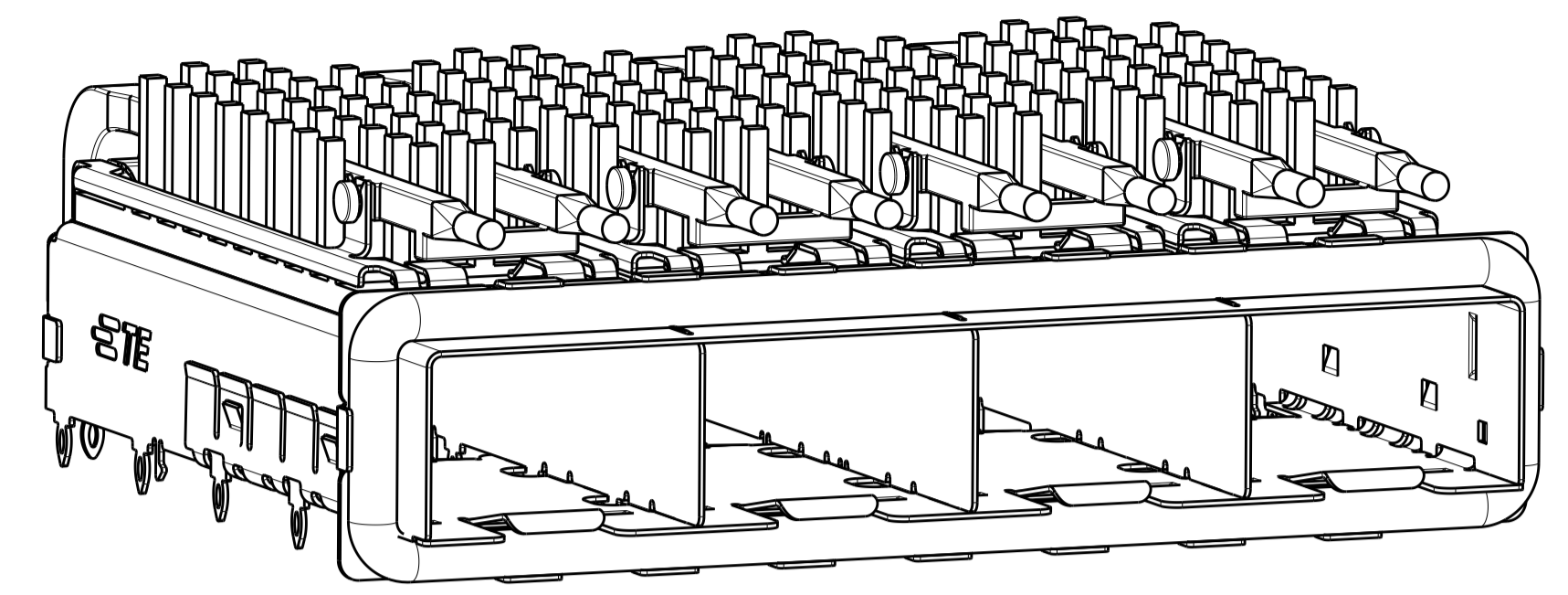


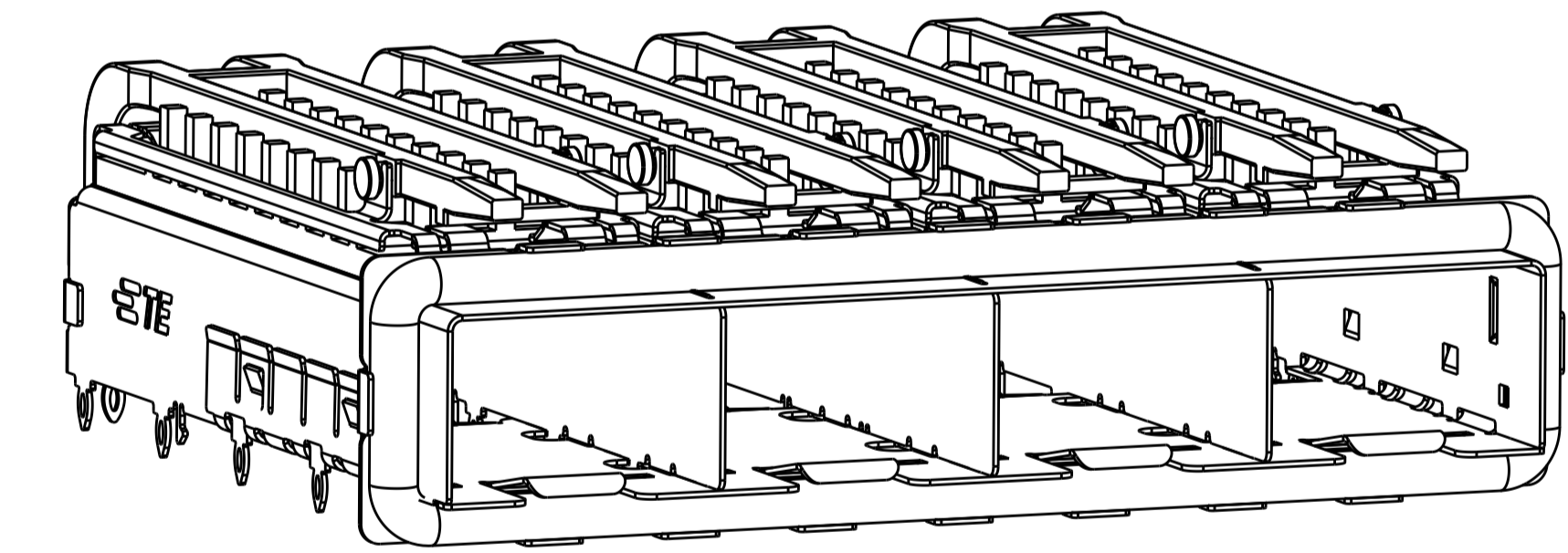
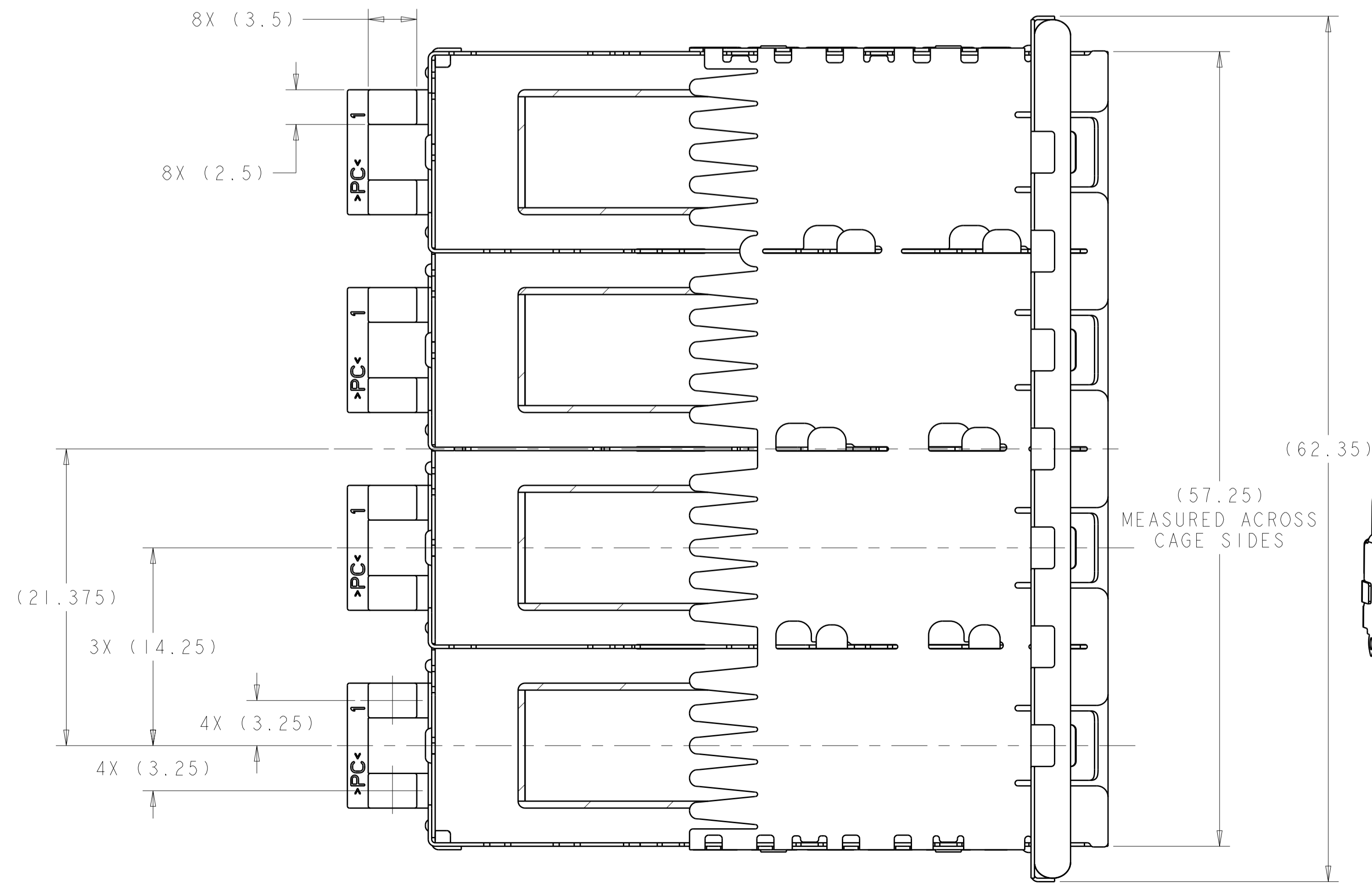
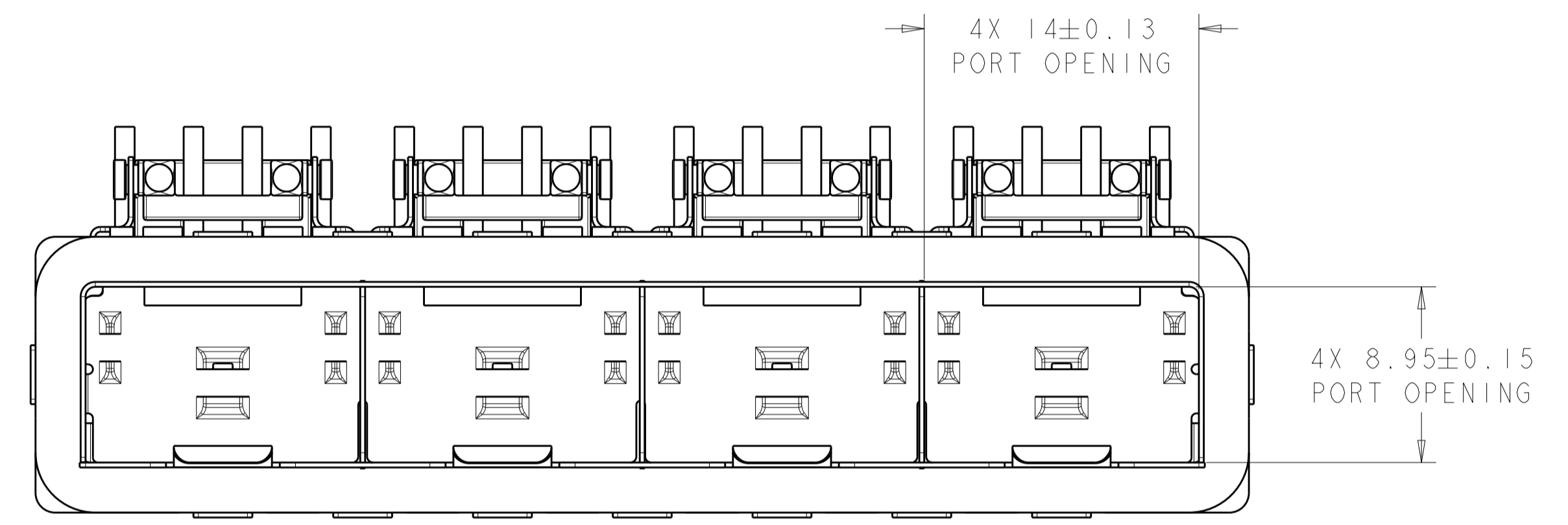
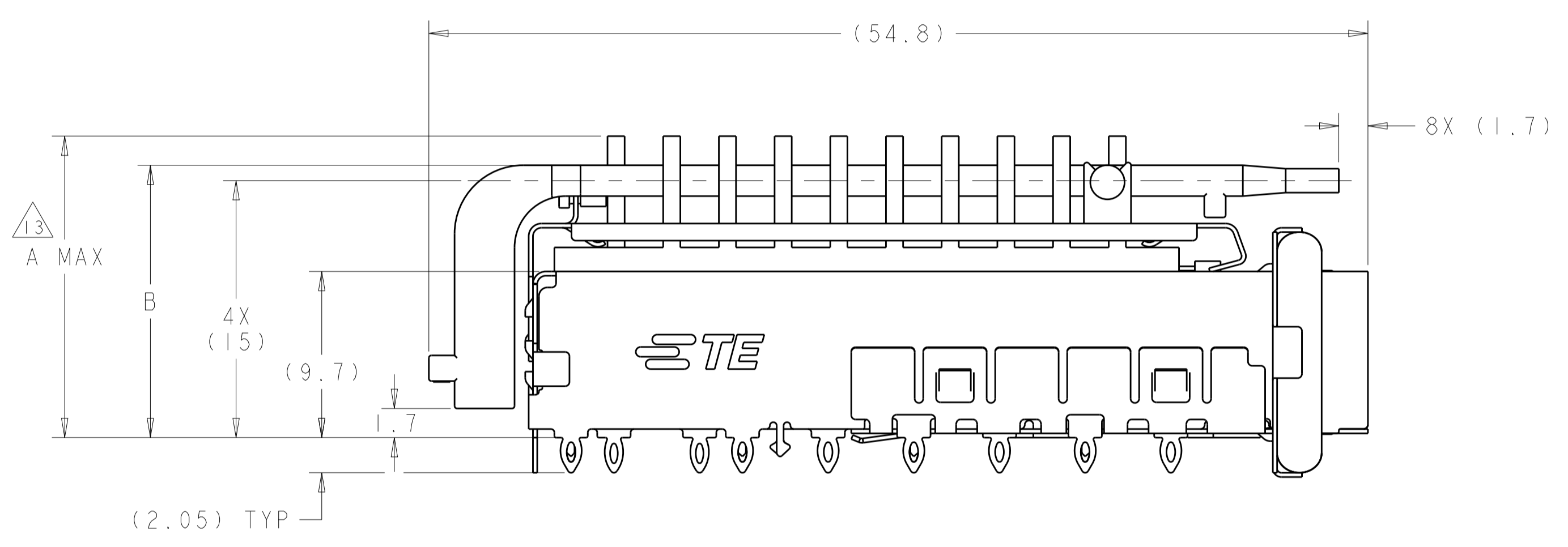
| LOC | DIST | REVISIONS | | | | | |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
| GP | 00 | P | LTN | DESCRIPTION | DATE | DWN | APVD |
| | | B | | REVISED PER ECO-13-003777 | 18MAR2013 | CJV | MRS |
| | | B1 | | ADD 2198243-5 | 4JUN2015 | RG | SH |
| | | B2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

- 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.

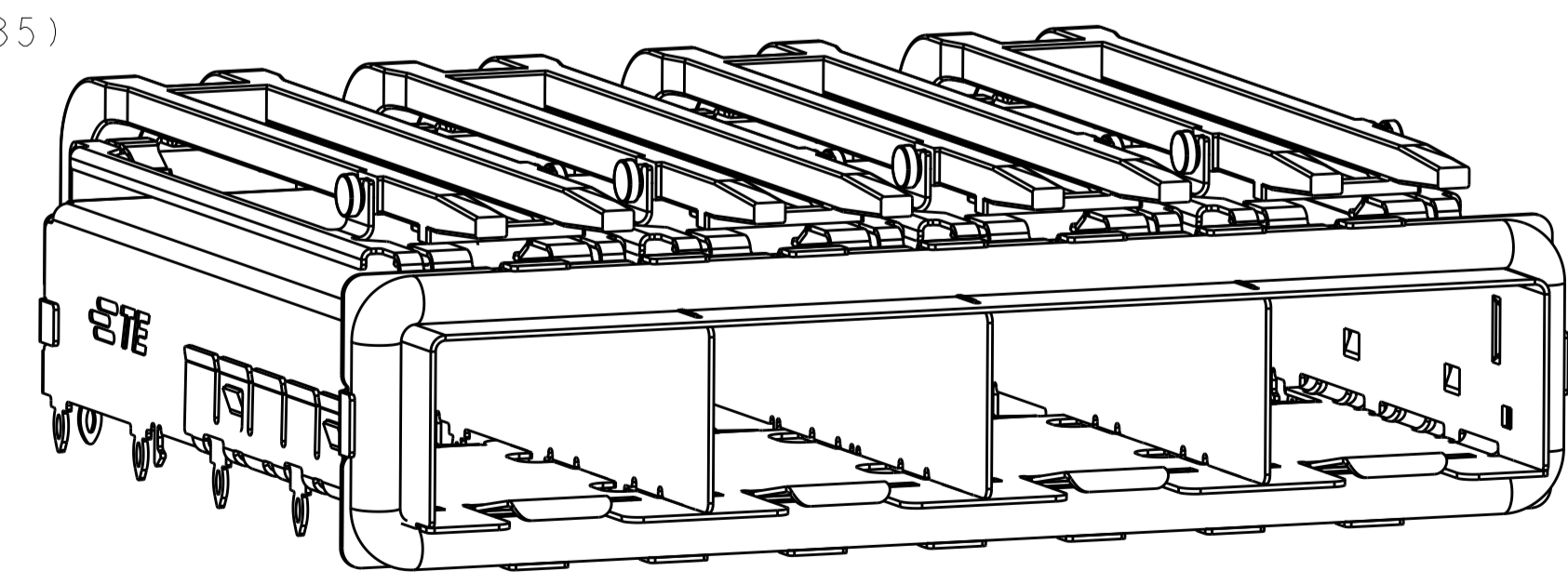
- 10 MINIMUM PC BOARD THICKNESS:
 SINGLE SIDED: 1.5mm
- 11. CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.
- 12. PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- 13 DIMENSION APPLIES 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.



2198243-3
 FINISHED ASSEMBLY
 SCALE 3:1



2198243-5
 SCALE 3:1



2198243-6
 SCALE 3:1

| B | A MAX | APPLICATION | PART NUMBER |
|------|-------|-------------------|-------------|
| 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 |

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

| | | | | | | | | |
|-------------|----|------------|------------|------------|------------|------------|-------------|------------|
| DIMENSIONS: | 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° |
|-------------|----|------------|------------|------------|------------|------------|-------------|------------|

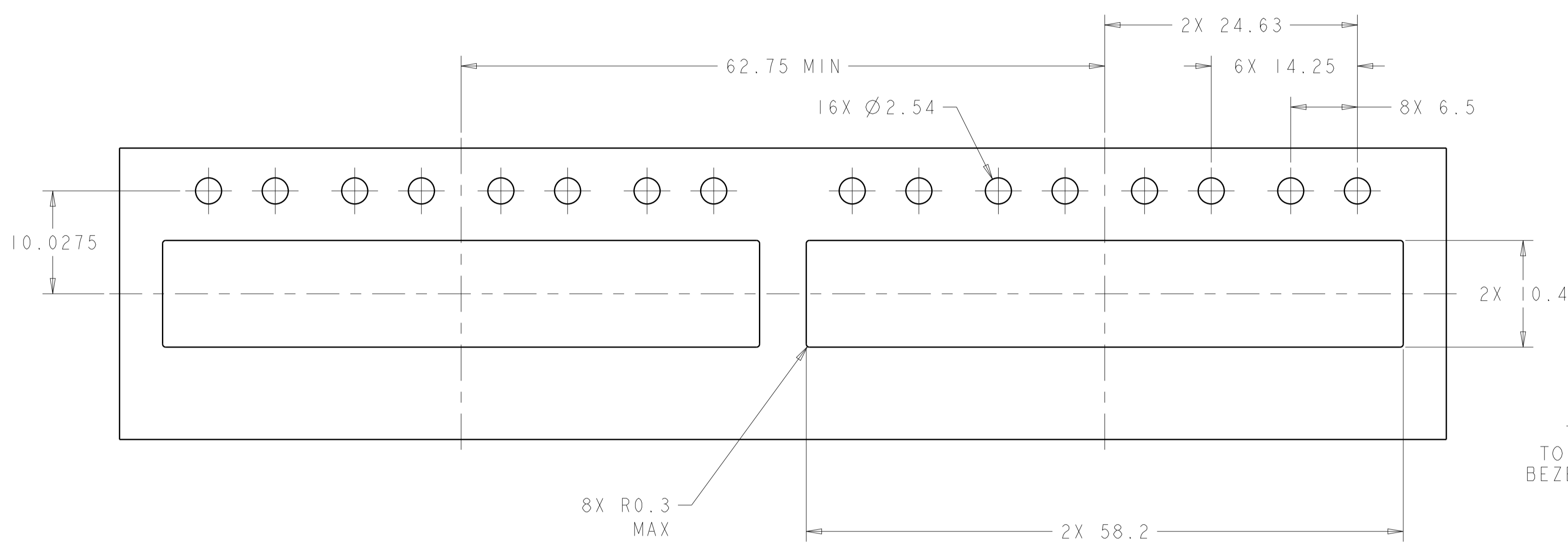
MATERIAL: FINISH:

| | | |
|------------------|--|--------------|
| 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 | CAGE CODE | DRAWING NO |
| A1 | 00779 | 2198243 |
| Customer Drawing | SCALE 4:1 | SHEET 1 OF 4 |

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

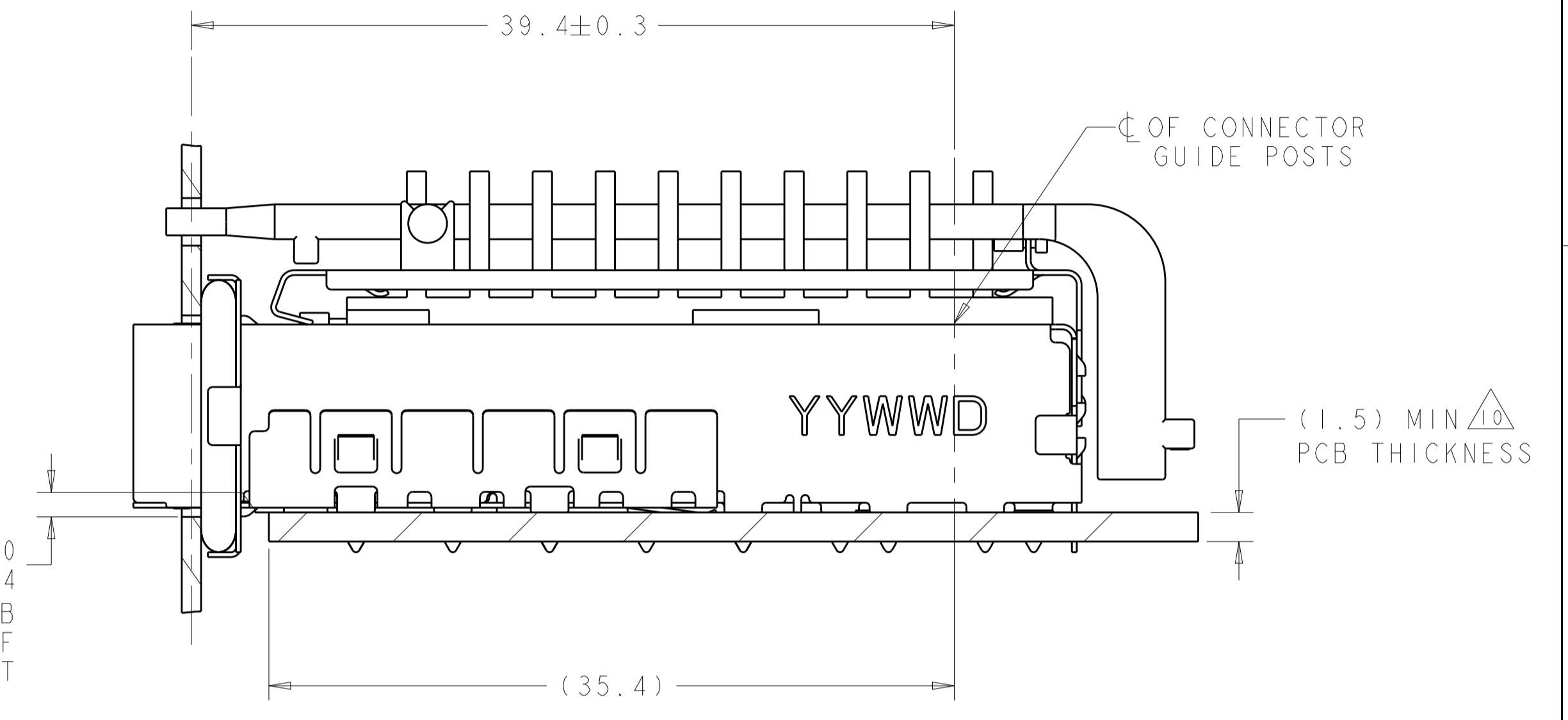
| LOC | DIST | REV | DATE | BY | APPV |
|-----|------|-----|------|----|------|
| GP | 00 | | | | |

| REVISIONS | | | | | |
|-----------|------|----|------|-------------|------|
| REV | DATE | BY | APPV | DESCRIPTION | DATE |
| - | - | - | - | SEE SHEET 1 | - |

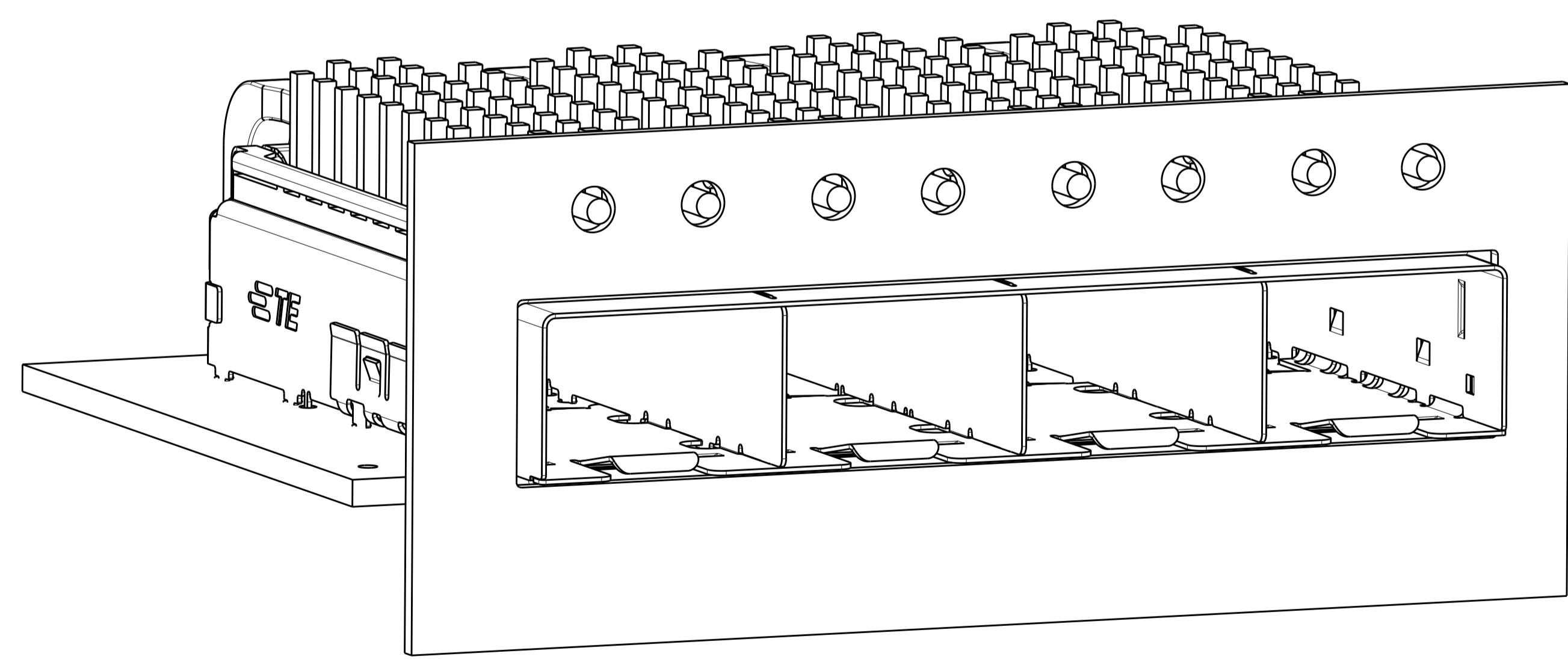


RECOMMENDED BEZEL CUT-OUT
 SINGLE SIDED APPLICATIONS
 SCALE 3:1

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



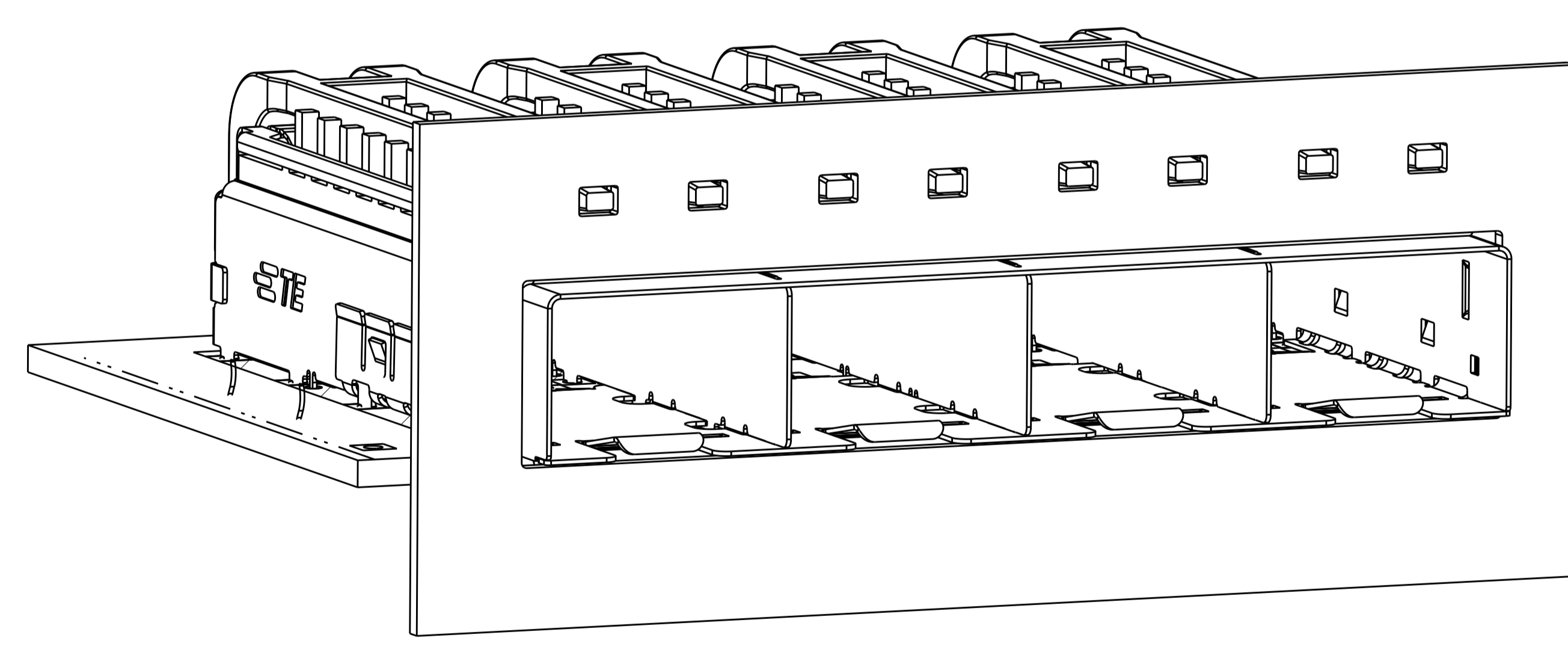
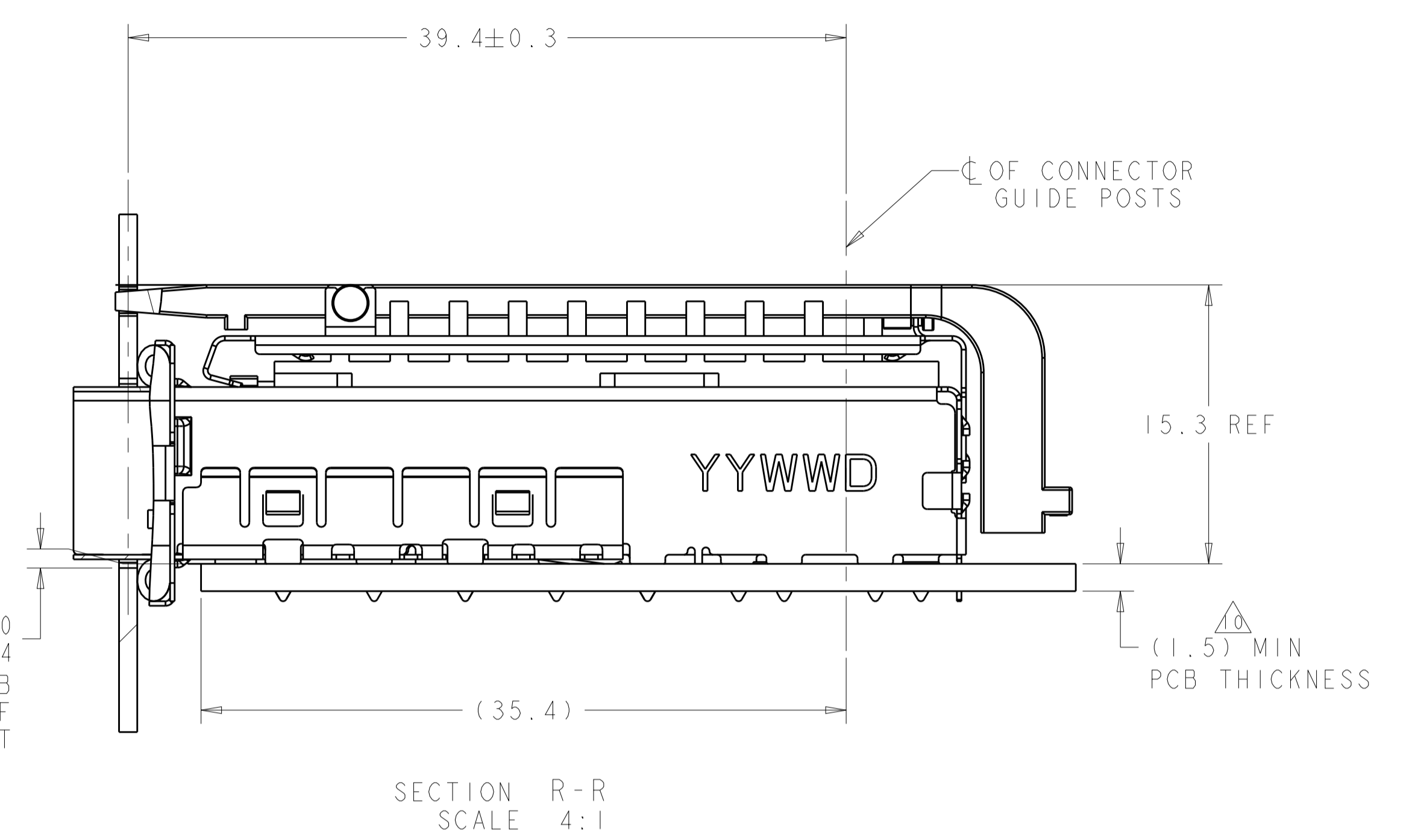
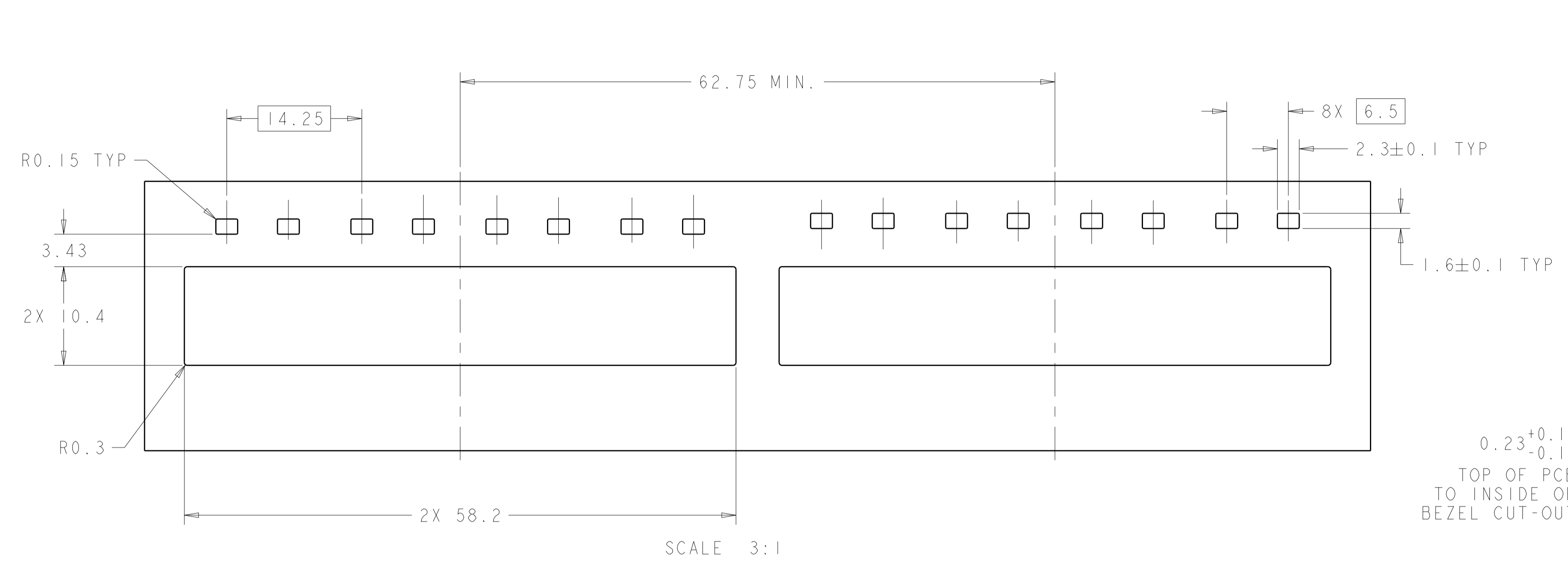
2198243
 MOUNTED ON PCB
 SHOWN THRU RECOMMENDED BEZEL



2198243
 MOUNTED ON PCB
 SHOWN THRU RECOMMENDED BEZEL

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