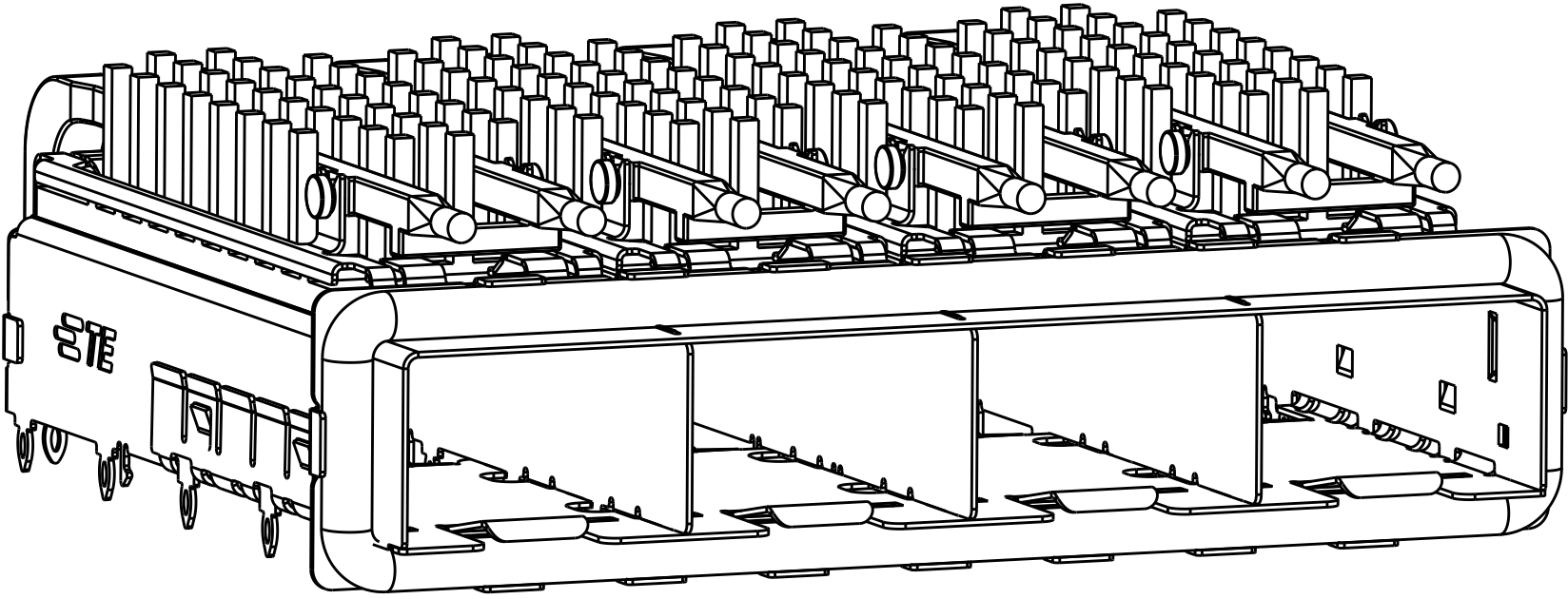


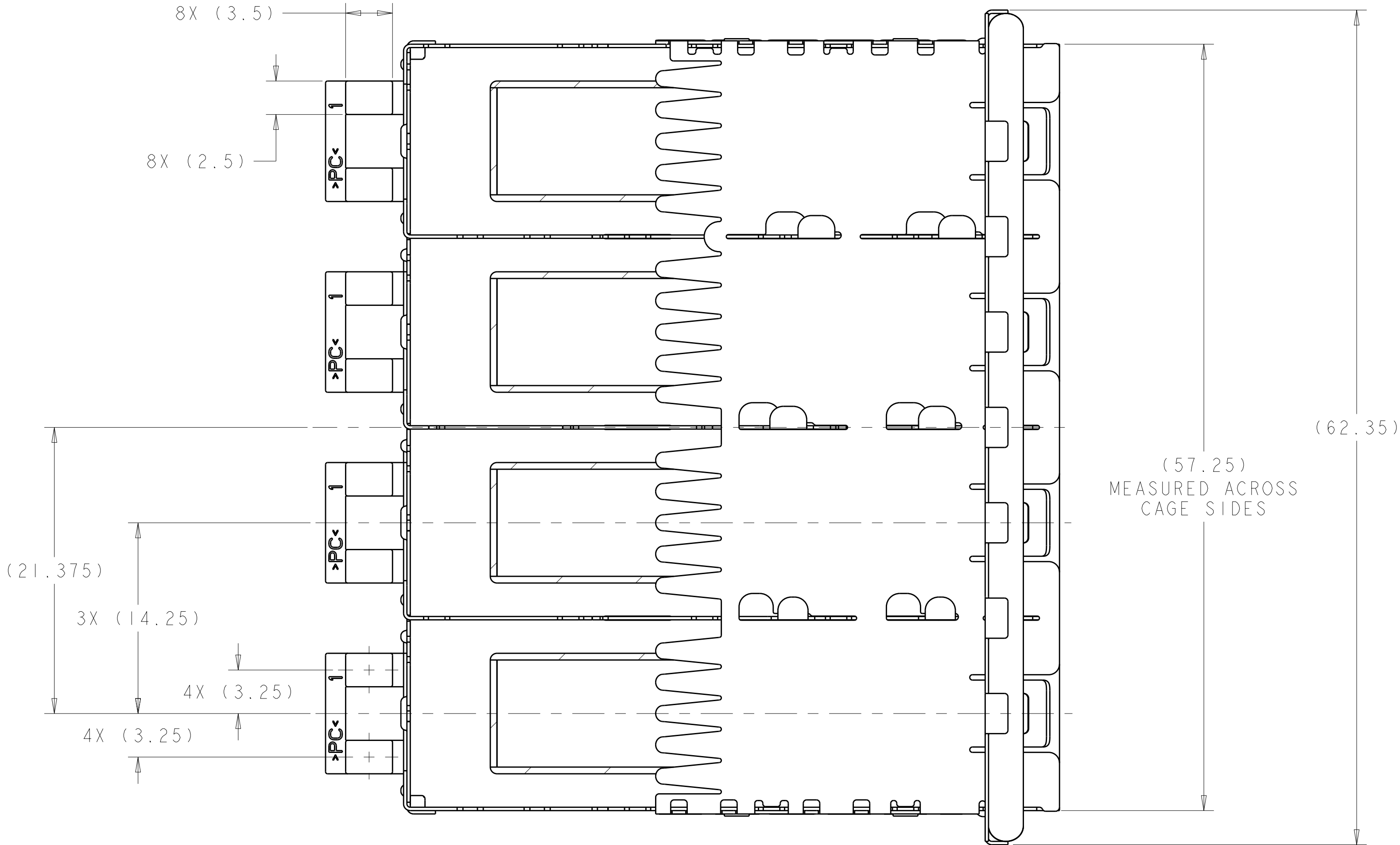
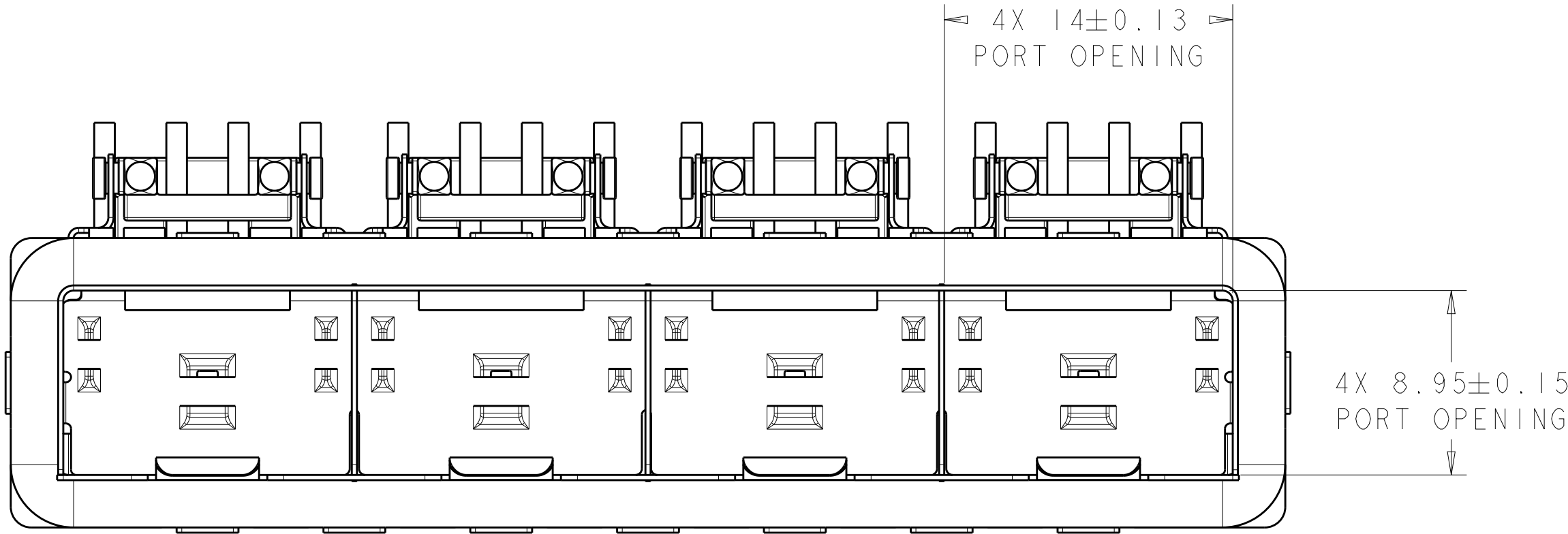
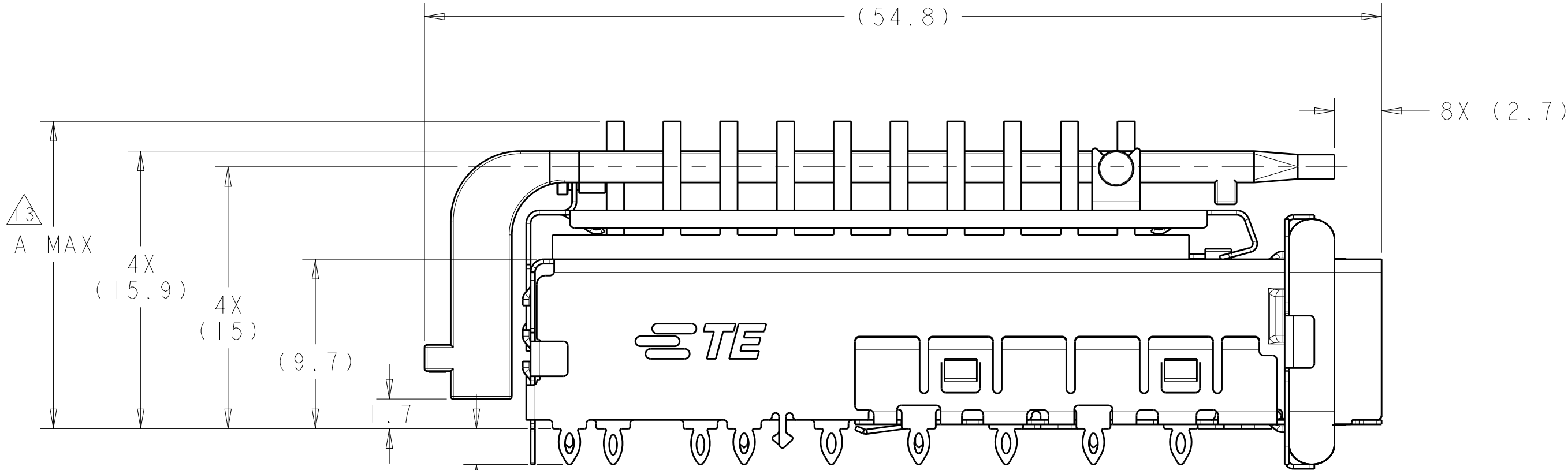
| LOC |  | DIST |  | REVISIONS |     |                            |           |     |      |  |
|-----|--|------|--|-----------|-----|----------------------------|-----------|-----|------|--|
| GP  |  | 00   |  | P         | LTR | DESCRIPTION                | DATE      | DWN | APVD |  |
|     |  |      |  |           | A   | RELEASED PER ECO-12-013192 | 09OCT2012 | BMM | MRS  |  |
|     |  |      |  |           |     |                            |           |     |      |  |
|     |  |      |  |           |     |                            |           |     |      |  |



2198242  
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: ELECTROLIESS 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.

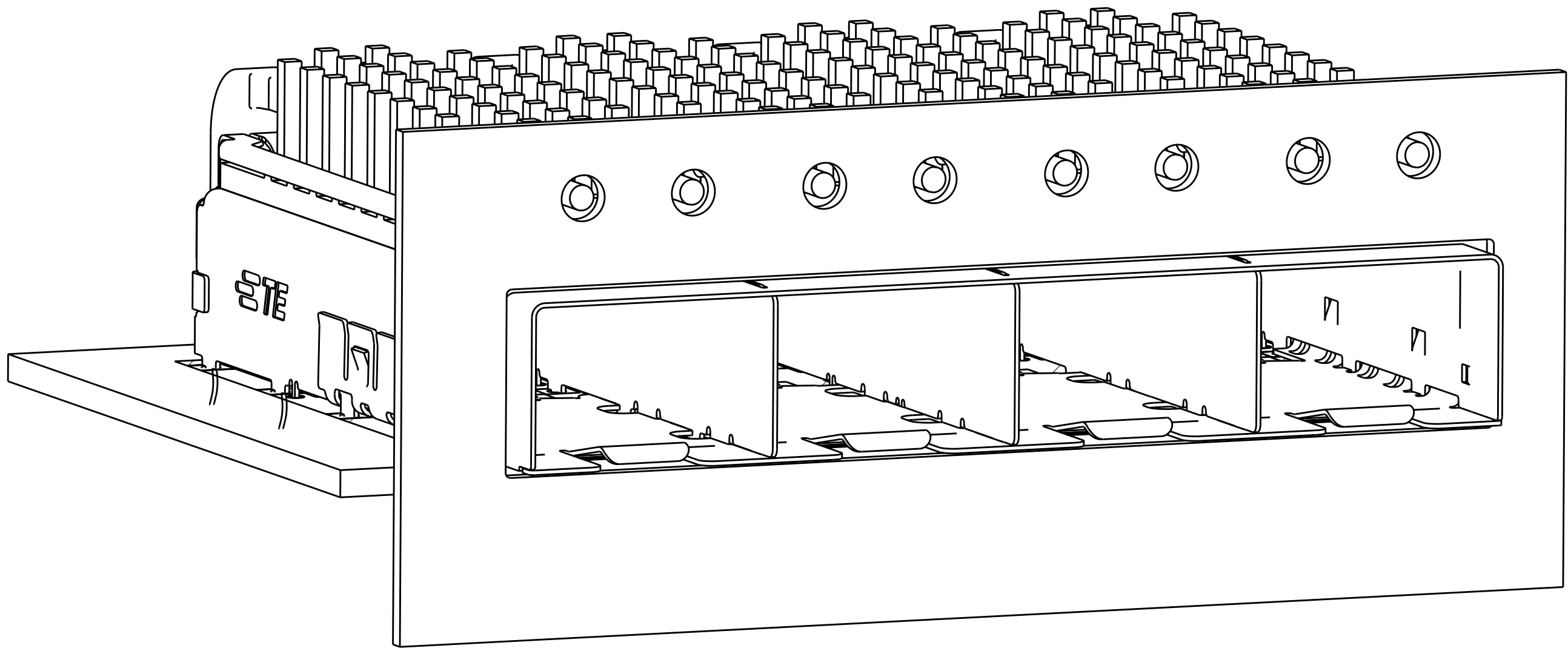
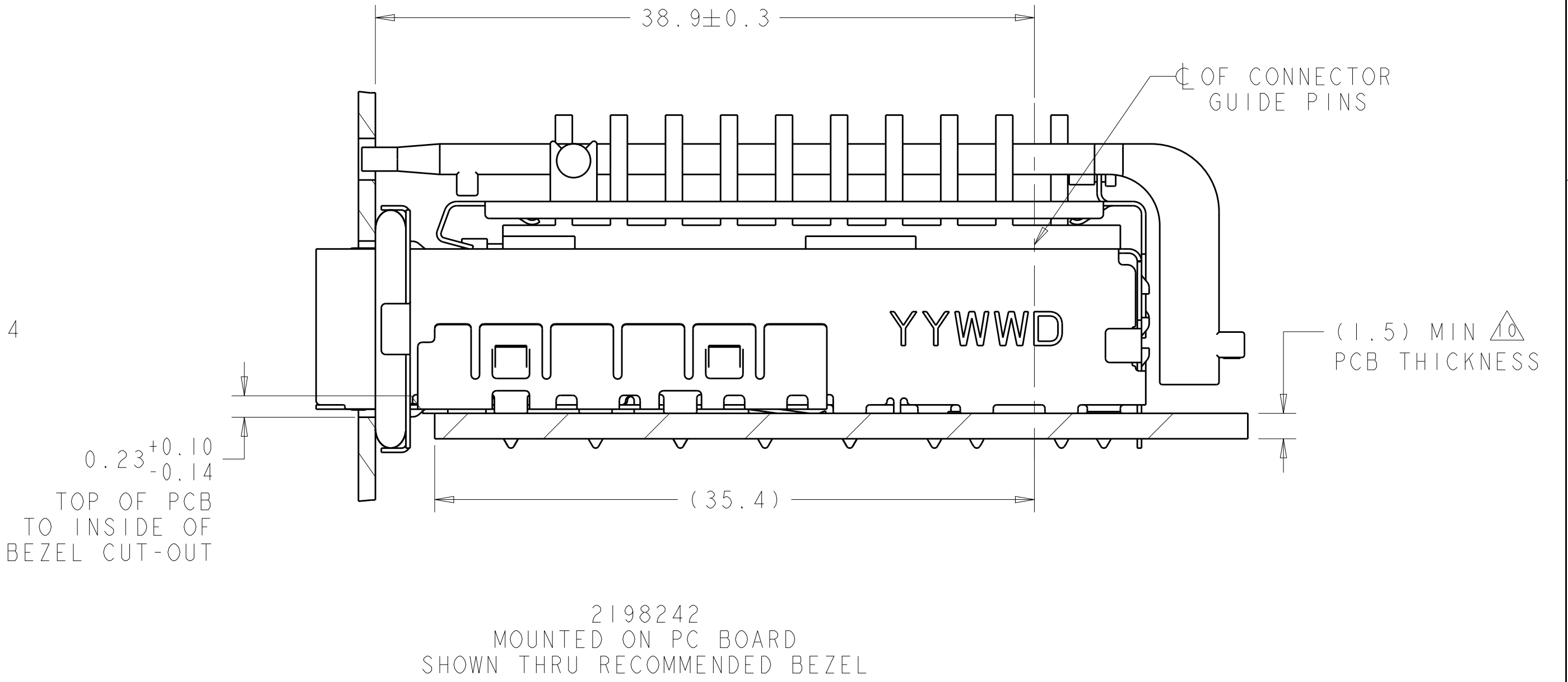
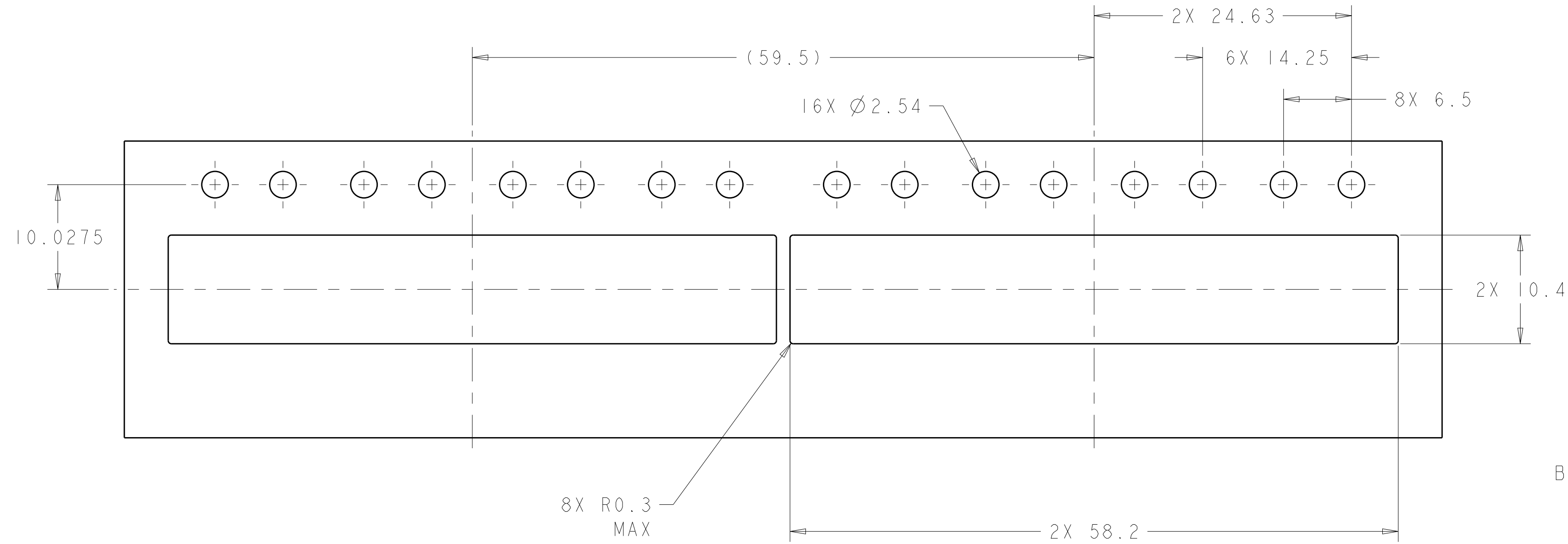
- 10 MINIMUM PC BOARD THICKNESS:  
SINGLE SIDED: 1.5mm
- 11 CERTAIN MATING TRANCEIVERS MAY REQUIRE ADDITIONAL PCB THICKNESS THAT WOULD NEED TO BE DETERMINED BY THE CUSTOMER.
- 12 PRODUCT COMPLIES WITH SPECIFICATION SFF-8433 IMPROVED PLUGGABLE FORM FACTOR FOR SFP+ GANGED CAGES.
- 3 DIMENSION APPLIES PRIOR TO INSERTION OF SFP MODULE.
- 4 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.
- 5 PACKAGED AS A COMPLETE ASSEMBLY.



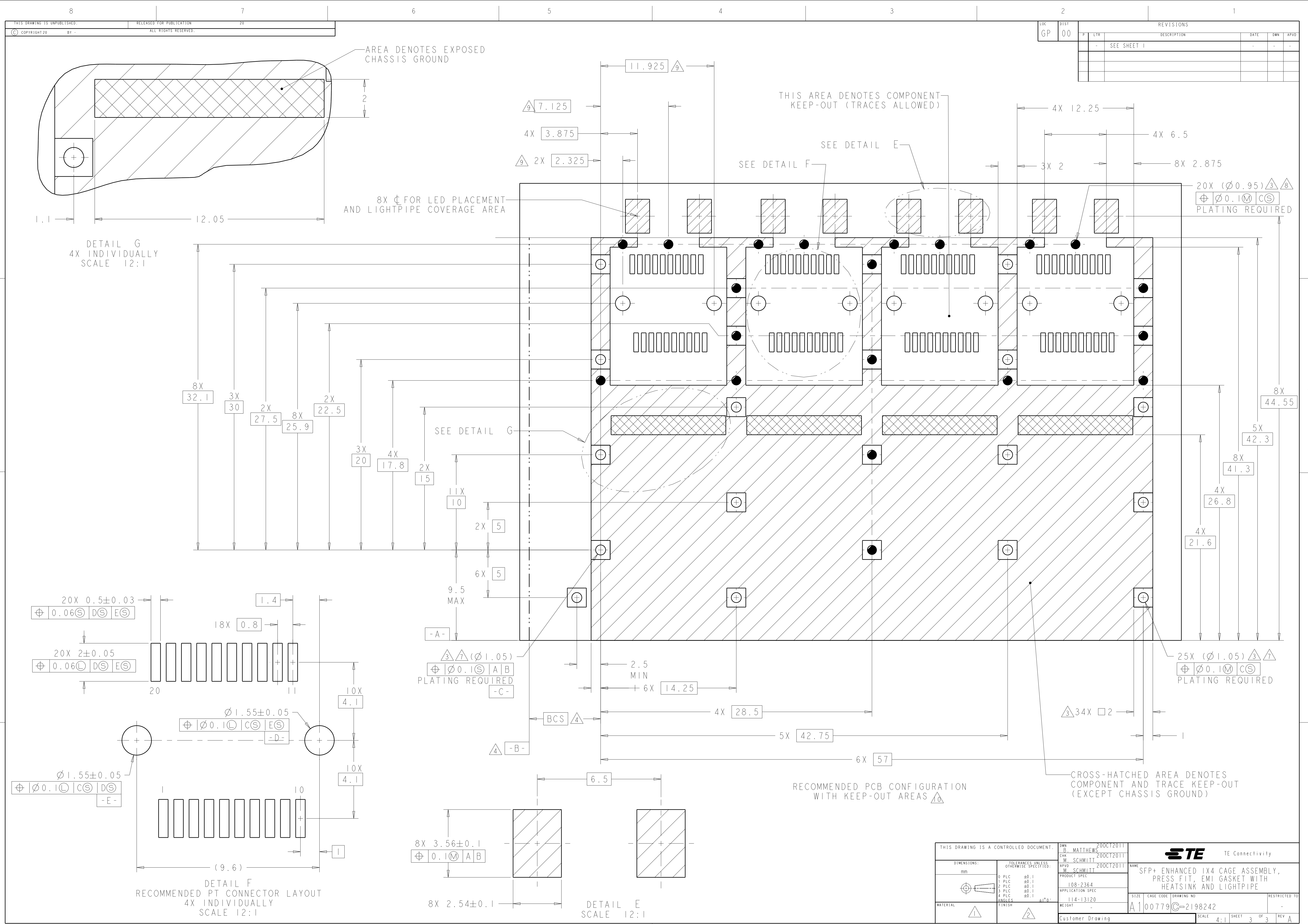
|       |      |                   |             |
|-------|------|-------------------|-------------|
| 3     | 22.5 | NETWORKING, TALL  | 2198242-4   |
| 3     | 18.1 | NETWORKING, SHORT | 2198242-3   |
| 4     | 15.5 | SAN               | 2198242-2   |
| 4     | 13.2 | PCI               | 2198242-1   |
| A MAX |      | APPLICATION       | PART NUMBER |

|                                                                                  |  |                                                                     |                                                                                                  |  |
|----------------------------------------------------------------------------------|--|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                           |  | DWN<br>B. MATTHEWS<br>20OCT2011                                     | TE Connectivity                                                                                  |  |
| DIMENSIONS:<br>mm                                                                |  | CHK<br>M. SCHMITT<br>20OCT2011                                      |                                                                                                  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                           |  | APVD<br>W. SCHMITT<br>20OCT2011                                     | NAME<br>SFP+ ENHANCED 1X4 CAGE ASSEMBLY,<br>PRESS FIT, EMI GASKET WITH<br>HEATSINK AND LIGHTPIPE |  |
| 0 PLC ±0.1<br>1 PLC ±0.1<br>2 PLC ±0.1<br>3 PLC ±0.1<br>4 PLC ±0.1<br>ANGLES ±1° |  | PRODUCT SPEC<br>108-2364<br>APPLICATION SPEC<br>114-13120<br>WEIGHT | SIZE<br>A100779                                                                                  |  |
| MATERIAL                                                                         |  | Customer Drawing                                                    | RESTRICTED TO<br>-<br>SCALE 4:1 SHEET 1 OF 3 REV A                                               |  |

| LOC |  | DIST |  | REVISIONS |     |             |      |     |      |
|-----|--|------|--|-----------|-----|-------------|------|-----|------|
| GP  |  | 00   |  | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |  |      |  | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |  |      |  |           |     |             |      |     |      |
|     |  |      |  |           |     |             |      |     |      |



|                                        |  |  |  |                  |             |           |                                                                                                       |  |  |                        |  |  |  |
|----------------------------------------|--|--|--|------------------|-------------|-----------|-------------------------------------------------------------------------------------------------------|--|--|------------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  |  |  | DWN              | B. MATTHEWS | 20OCT2011 |  TE Connectivity |  |  |                        |  |  |  |
|                                        |  |  |  | CHK              | M. SCHMITT  | 20OCT2011 |                                                                                                       |  |  |                        |  |  |  |
|                                        |  |  |  | APVD             | M. SCHMITT  | 20OCT2011 | NAME<br>SFP+ ENHANCED 1X4 CAGE ASSEMBLY,<br>PRESS FIT, EMI GASKET WITH<br>HEATSINK AND LIGHTPIPE      |  |  |                        |  |  |  |
|                                        |  |  |  | PRODUCT SPEC     |             |           |                                                                                                       |  |  |                        |  |  |  |
|                                        |  |  |  | 108-2364         |             |           |                                                                                                       |  |  | SIZE<br>A100779        |  |  |  |
|                                        |  |  |  | APPLICATION SPEC |             |           |                                                                                                       |  |  |                        |  |  |  |
|                                        |  |  |  | 114-13120        |             |           |                                                                                                       |  |  | CAGE CODE<br>C=2198242 |  |  |  |
|                                        |  |  |  | WEIGHT           |             |           |                                                                                                       |  |  |                        |  |  |  |
|                                        |  |  |  | Customer Drawing |             |           |                                                                                                       |  |  | RESTRICTED TO<br>-     |  |  |  |
|                                        |  |  |  |                  |             |           |                                                                                                       |  |  |                        |  |  |  |
|                                        |  |  |  |                  |             |           |                                                                                                       |  |  | SCALE<br>4:1           |  |  |  |
|                                        |  |  |  |                  |             |           |                                                                                                       |  |  | SHEET<br>2 OF 3        |  |  |  |
|                                        |  |  |  |                  |             |           |                                                                                                       |  |  | REV<br>A               |  |  |  |



| LOC |  | DIST |  | REVISONS |            |            |      |
|-----|--|------|--|----------|------------|------------|------|
| GP  |  | 00   |  | REV      | DATE       | BY         | APPV |
|     |  |      |  | 1        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 2        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 3        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 4        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 5        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 6        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 7        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 8        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 9        | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 10       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 11       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 12       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 13       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 14       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 15       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 16       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 17       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 18       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 19       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 20       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 21       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 22       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 23       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 24       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 25       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 26       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 27       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 28       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 29       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 30       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 31       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 32       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 33       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 34       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 35       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 36       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 37       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 40       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 49       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 51       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 53       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 54       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 59       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 60       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 61       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 63       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 64       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 65       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 67       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 68       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 69       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 70       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 71       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 72       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 74       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 75       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 80       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 81       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 82       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 83       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 84       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 85       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 86       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 87       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 88       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 89       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 90       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 91       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 92       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 93       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 94       | 2020-10-10 | W. SCHMITT |      |
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|     |  |      |  | 97       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 98       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 99       | 2020-10-10 | W. SCHMITT |      |
|     |  |      |  | 100      | 2020-10-10 | W. SCHMITT |      |

|                                        |  |  |  |                             |  |  |  |                                                                                          |  |  |  |
|----------------------------------------|--|--|--|-----------------------------|--|--|--|------------------------------------------------------------------------------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  |  |  | OWN: B. MATTHEWS 20OCT2011  |  |  |  | TE Connectivity                                                                          |  |  |  |
| DIMENSIONS:                            |  |  |  | CHK: M. SCHMITT 20OCT2011   |  |  |  | NAME: SFP+ ENHANCED 1X4 CAGE ASSEMBLY, PRESS FIT, EMI GASKET WITH HEATSINK AND LIGHTPIPE |  |  |  |
| mm                                     |  |  |  | APVD: W. SCHMITT 20OCT2011  |  |  |  | SIZE: CAGE CODE: DRAWING NO: 114-13120                                                   |  |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  |  |  | PRODUCT SPEC: 108-2364      |  |  |  | RESTRICTED TO: A100779C=2198242                                                          |  |  |  |
| 0 PLC $\pm 0.1$                        |  |  |  | APPLICATION SPEC: 114-13120 |  |  |  | SCALE: 4:1                                                                               |  |  |  |
| 1 PLC $\pm 0.1$                        |  |  |  | WEIGHT: -                   |  |  |  | SHEET 3 OF 3                                                                             |  |  |  |
| 2 PLC $\pm 0.1$                        |  |  |  | Customer Drawing            |  |  |  | REV A                                                                                    |  |  |  |
| 3 PLC $\pm 0.1$                        |  |  |  |                             |  |  |  |                                                                                          |  |  |  |
| 4 PLC $\pm 0.1$                        |  |  |  |                             |  |  |  |                                                                                          |  |  |  |
| ANGLES $\pm 1^{\circ}$                 |  |  |  |                             |  |  |  |                                                                                          |  |  |  |
| FINISH                                 |  |  |  |                             |  |  |  |                                                                                          |  |  |  |