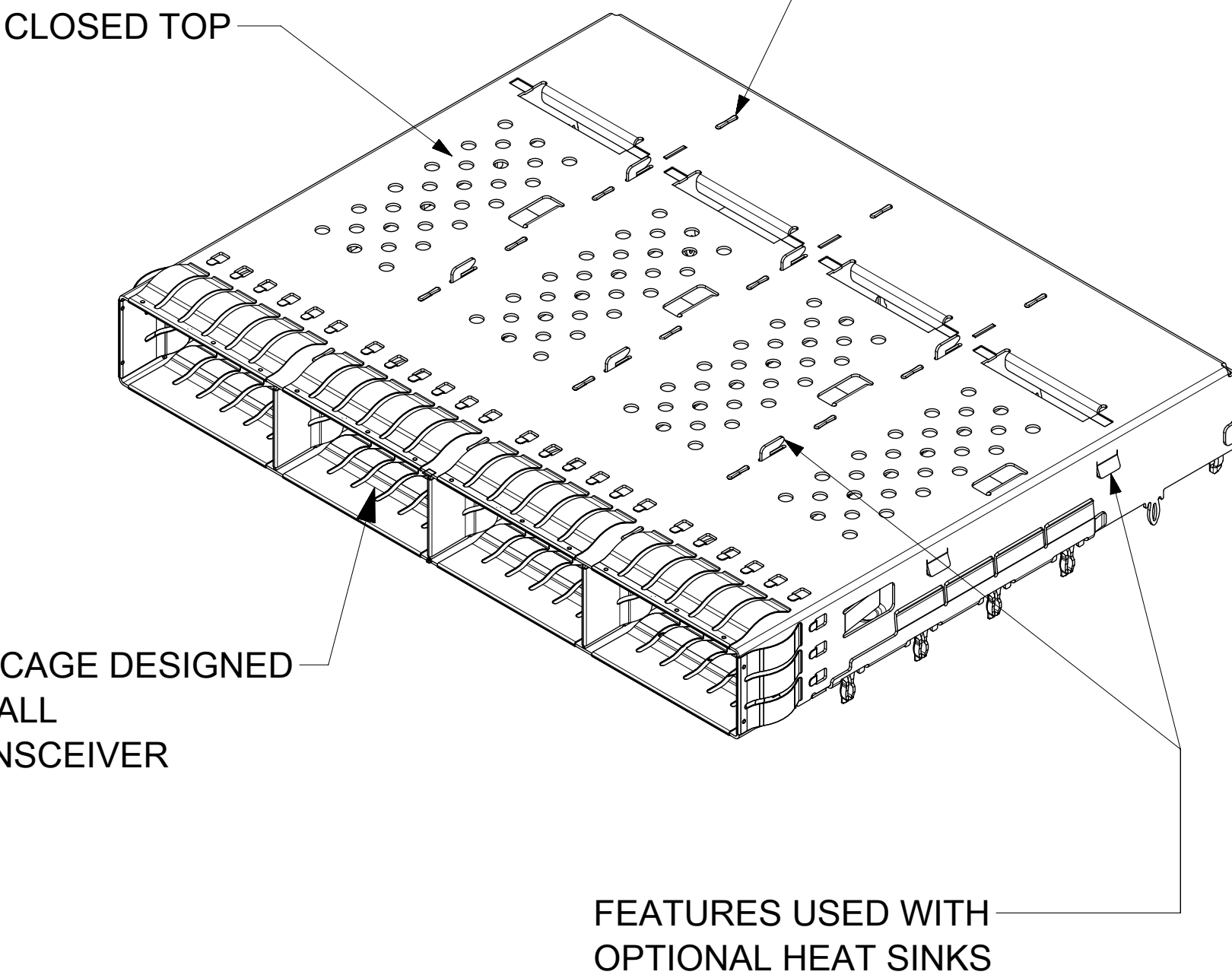
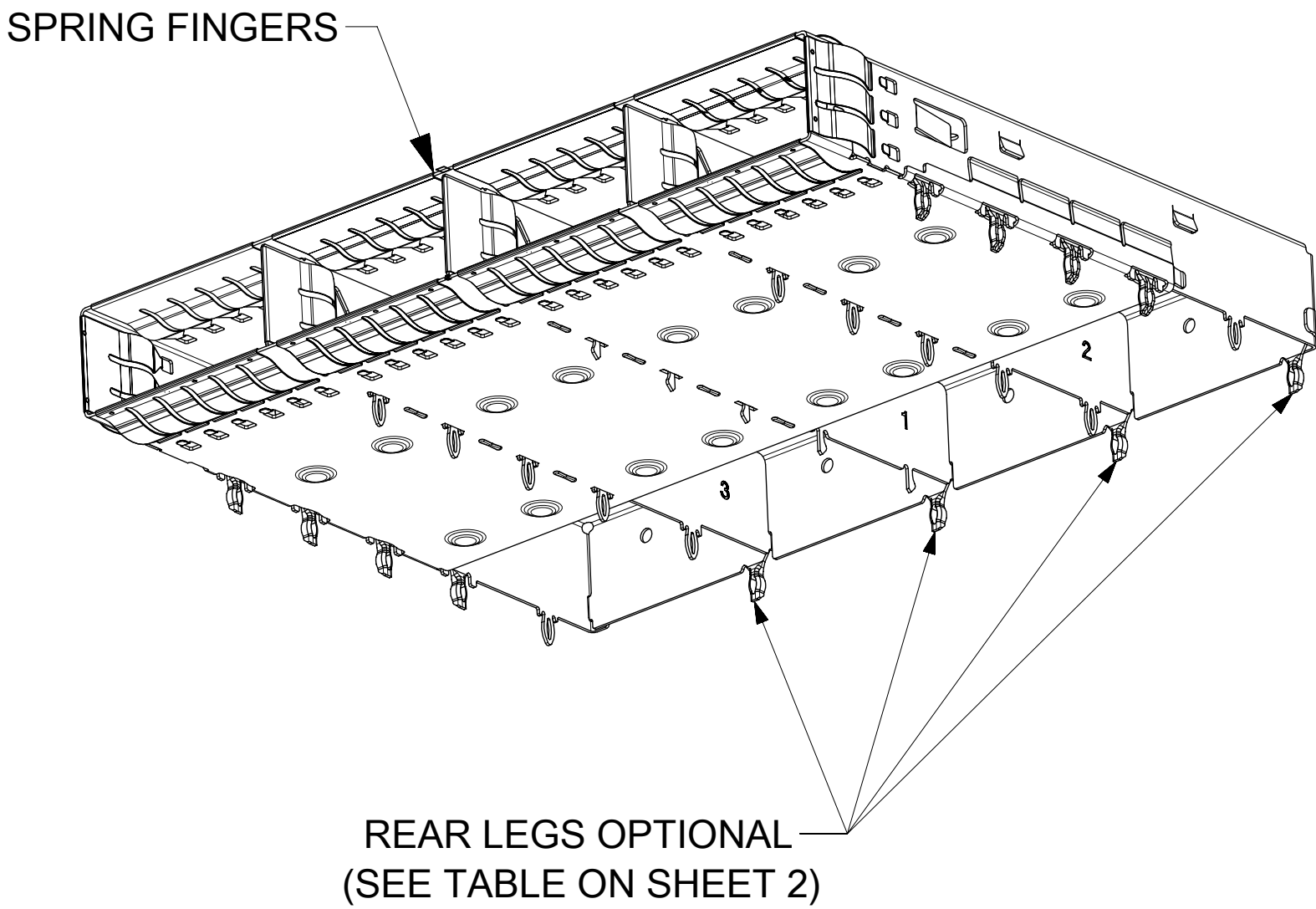
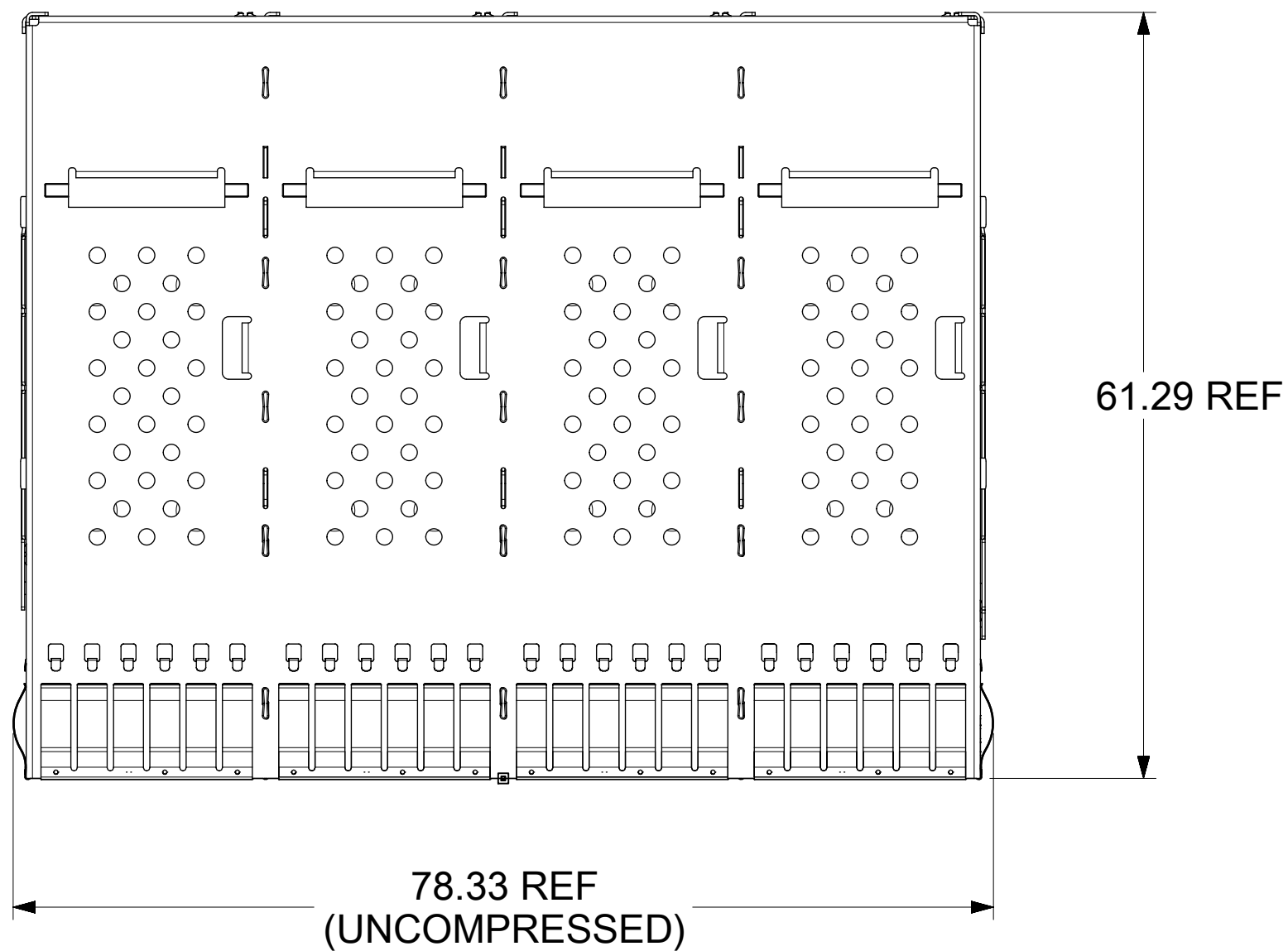


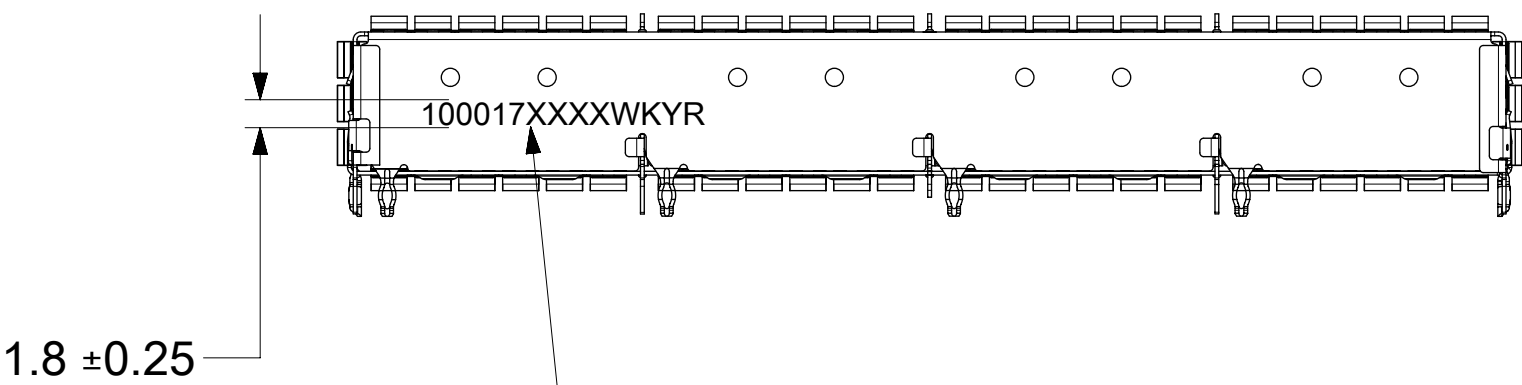
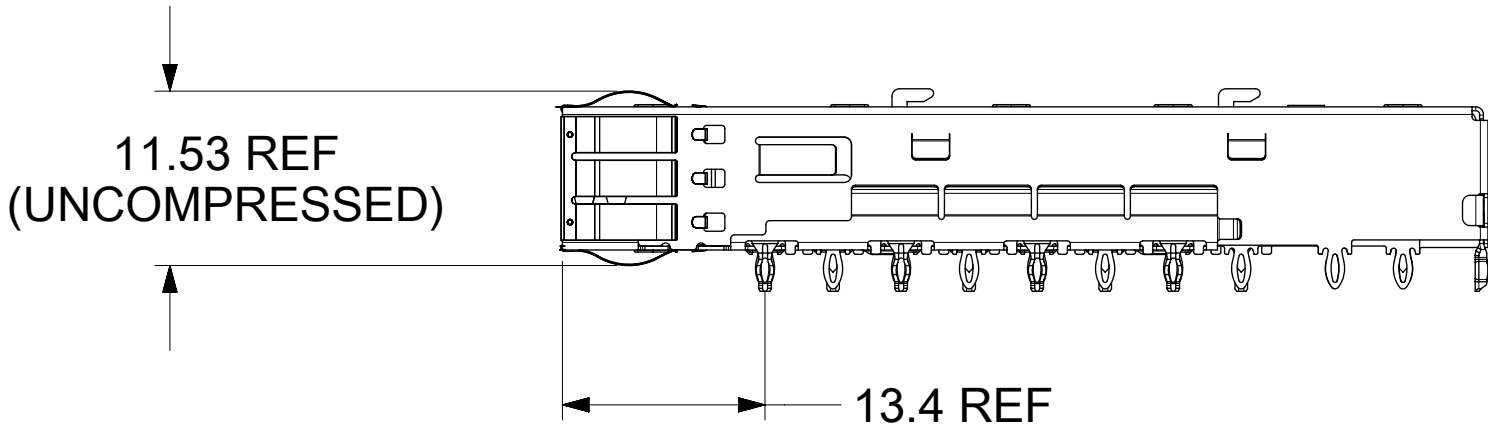
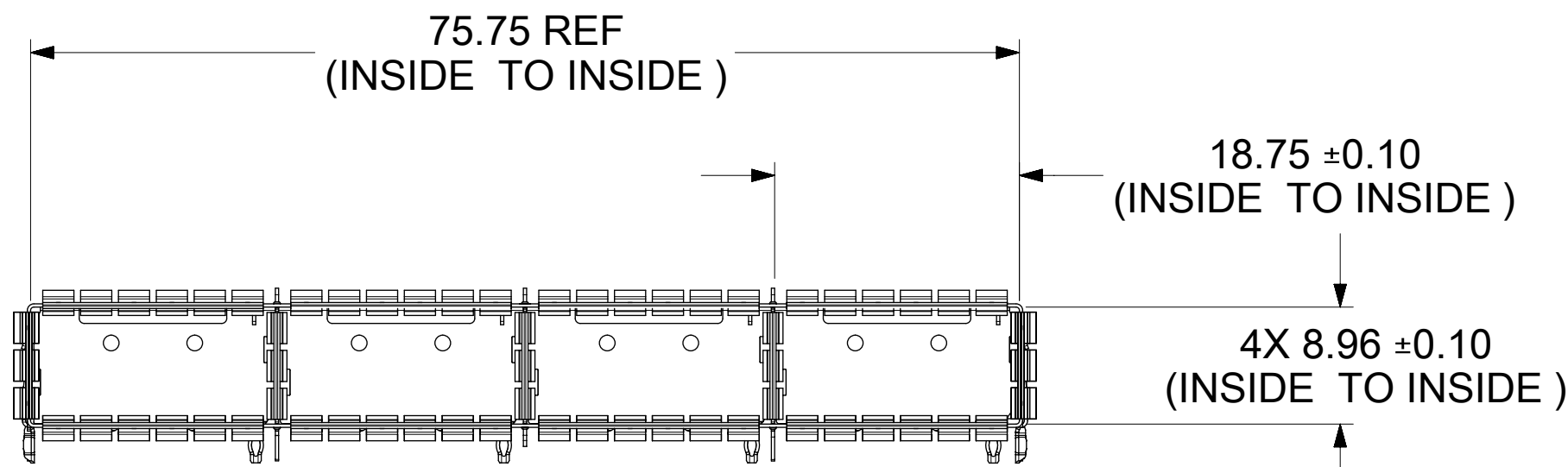
BASE CAGE DETAILS

1000173242

SHOWN



DIMENSIONS OF EACH INNER CAGE DESIGNED  
TO FUNCTION WITH QUAD SMALL  
FORM-FACTOR (zQSFP+) TRANSCEIVER



P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON  
BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.  
SEE TABLE BELOW FOR DATE CODE INFORMATION.

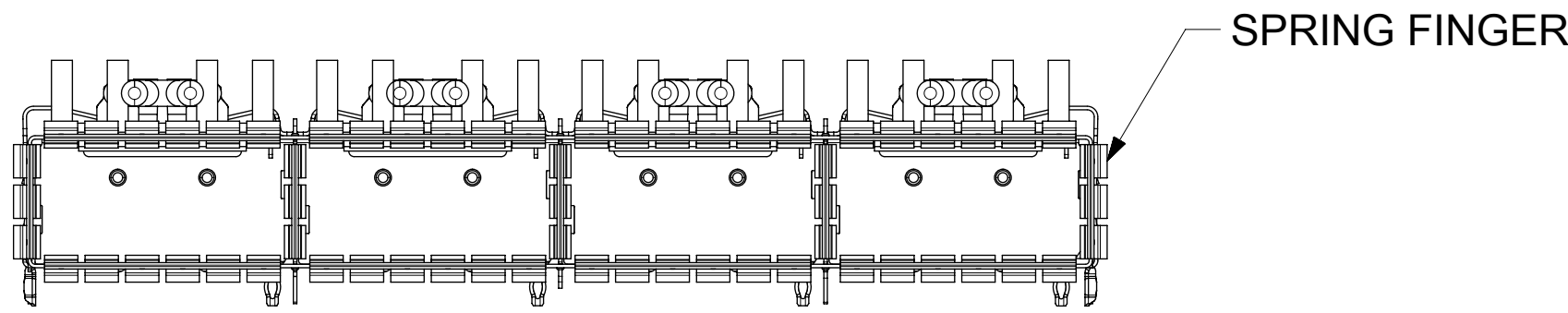
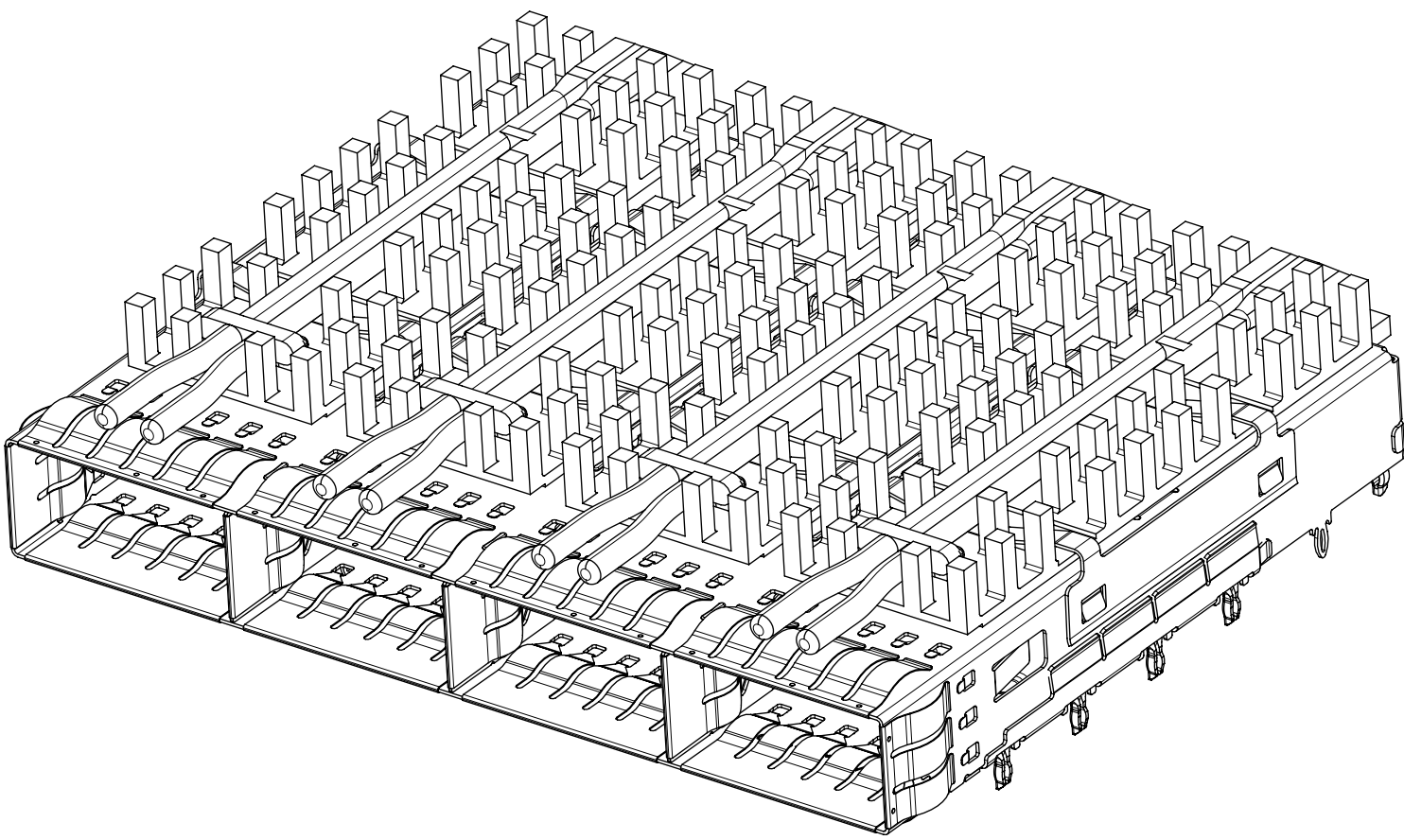
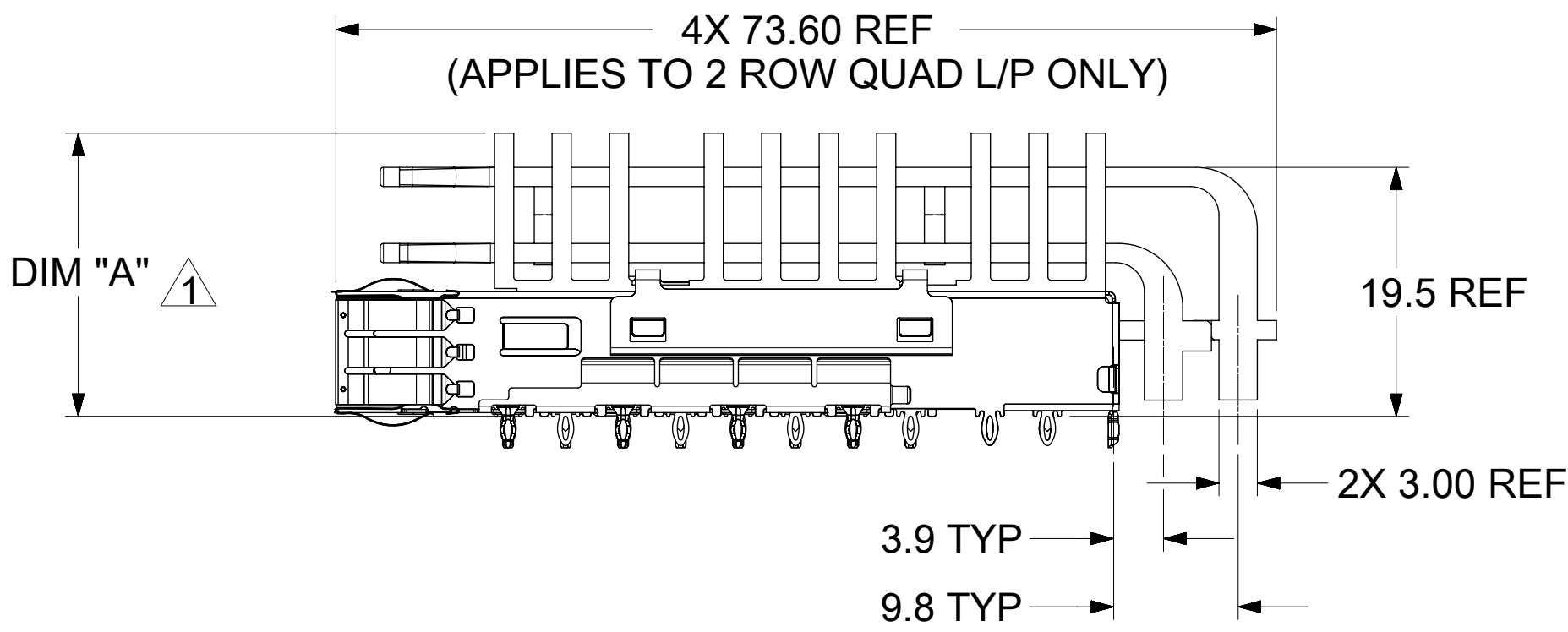
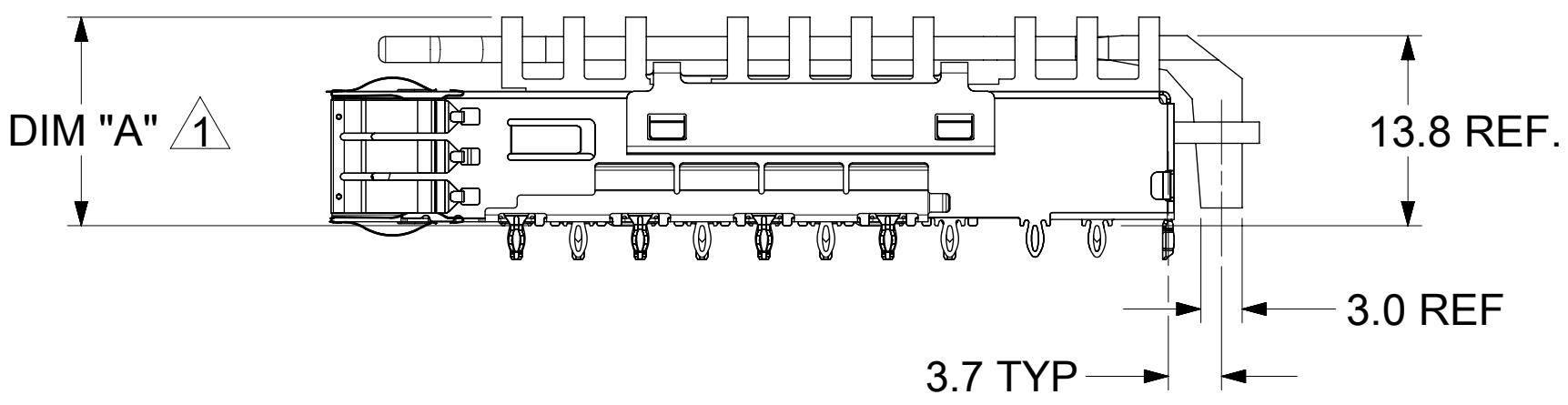
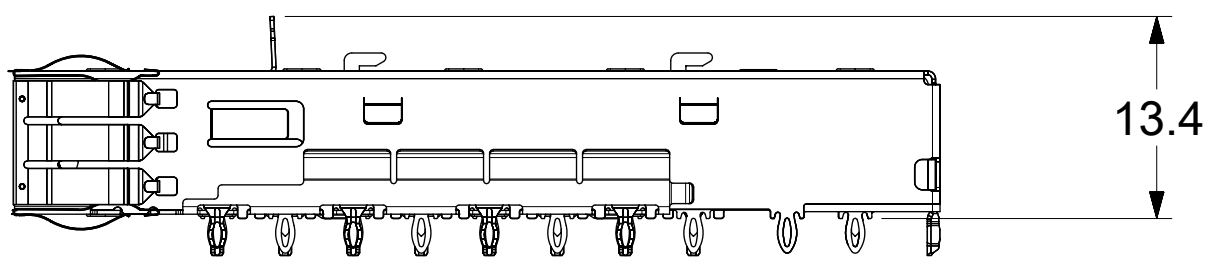
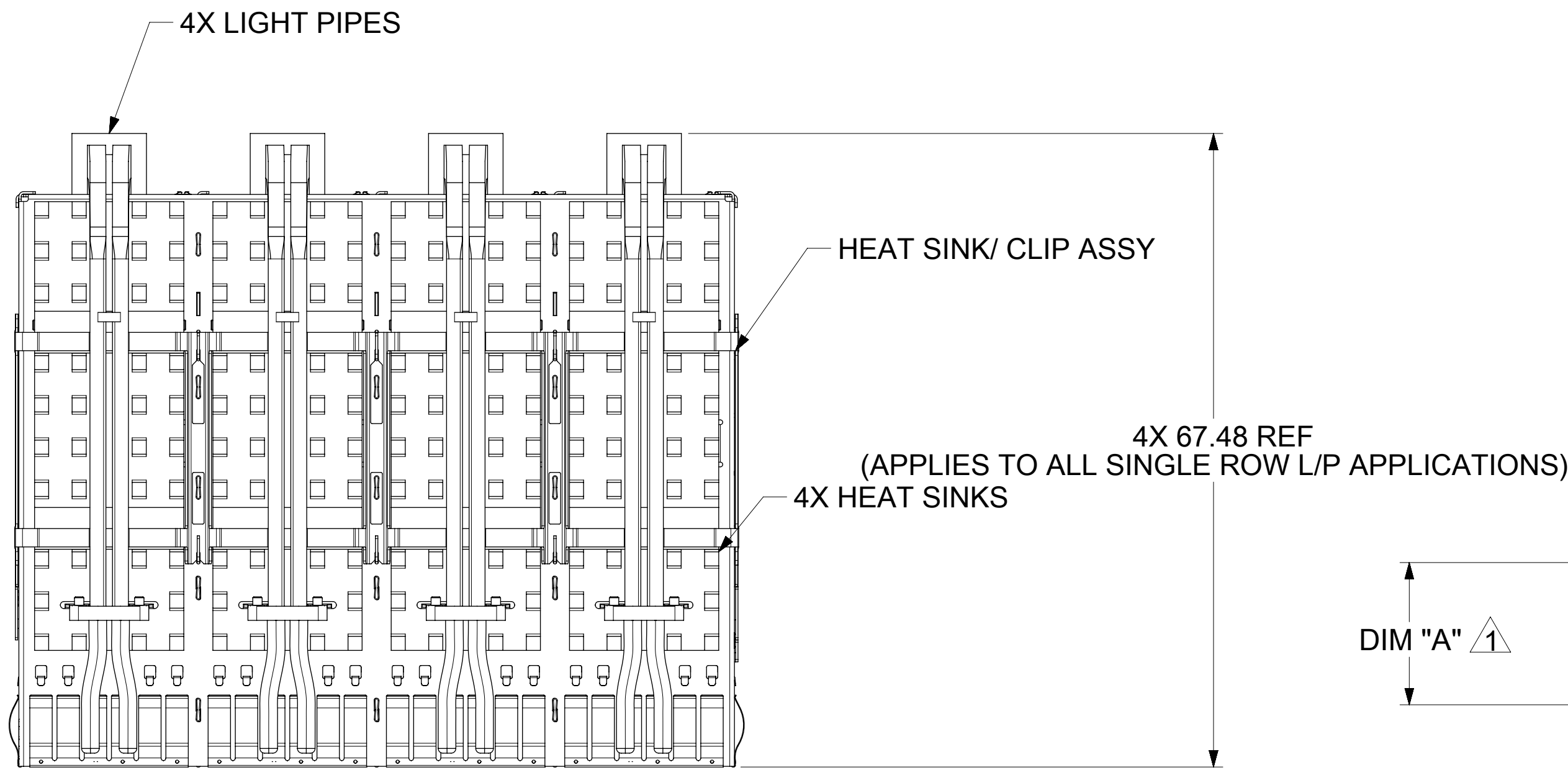
- NOTES:
1. MATERIAL: CAGE: STAINLESS STEEL  
CENTER WALLS: STAINLESS STEEL  
SPRING FINGERS: STAINLESS STEEL  
HEAT SINKS: NICKEL PLATED ALUMINUM  
HEAT SINK CLIP: STAINLESS STEEL  
LIGHT PIPES: POLYCARBONATE (UL 94-V-0)
  2. DIMENSIONS MARKED  ARE CRITICAL TO FUNCTION OF THE PART AND MUST BE INSPECTED
  3. DRAWING APPLIES TO ALL P/N'S SHOWN ON PAGE 3
  4. DURING FINAL INSPECTION, CAGE LEG LOCATIONS AND STRAIGHTNESS MUST BE CHECKED USING APPROPRIATE GO - NO GO GAGE
  5. DURING FINAL INSPECTION, CAGE MUST BE INSPECTED TO MAKE SURE LEG CONFIGURATIONS AND PART NUMBERS ARE CORRECT, USE SHEETS 3, 4 AND 5
  6. PARTS TO BE INSPECTED PER MOLEX COSMETIC SPEC WI-HP-7-2774 (CLASS B UNLESS OTHERWISE SPECIFIED)
  7. PRESS-FIT LEGS 2.44 LONG -  
1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.  
3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
  8. NO RoHS EXEMPTIONS
  9. WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION.
- |                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/03/21 | 02:37:39 |
|-----------------|----|--------------|------------|----------|

| WEEK/YEAR DATE CODE TABLE                                                             |                                                                                                                                               |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------|--|-----------------|--|---------------|--|-------------------|--|------------------|--|----------------------------------|--|----------------------------|--|------------------------|--|--|
| WK                                                                                    | WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR                                                            |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
| YR                                                                                    | 22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22)                                                                                                     |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
| FUNCTIONAL SYMBOLS                                                                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | DIMENSION UNITS                                                                                                                               |                                                                                       | SCALE                                                                                               |                                                                           | CURRENT REV DESC: SEE REVISION TABLE |                          |                               | <div>molex</div> <div>ZQSFP+ 1X4 GANGED CAGE ASSY'S<br/>W/ SS TAB TYPE SPRING FINGER H/S &amp; L/P<br/>OPTIONS</div> |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | mm                                                                                                                                            |                                                                                       | 2:1                                                                                                 |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                                                                                       | EC NO: 698865<br>DRWN: KRISHH1 2022/02/17<br>CHK'D: TKUMARKC 2022/03/10<br>APPR: JCHIANG 2022/03/21 |                                                                           |                                      | PRODUCT CUSTOMER DRAWING |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | ANGULAR TOL ± 1.0 °                                                                                                                           |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | 4 PLACES ±                                                                                                                                    |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | 3 PLACES ±                                                                                                                                    |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | 2 PLACES ± 0.13                                                                                                                               |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       | DIVISIONAL SYMBOLS                                                                                                                            | 1 PLACE ± 0.25                                                                        |                                                                                                     | INITIAL REVISION:<br>DRWN: KRISHH1 2022/02/17<br>APPR: JCHIANG 2022/03/21 |                                      |                          | DOCUMENT NUMBER<br>1000173200 |                                                                                                                      | DOC TYPE<br>PSD |  | DOC PART<br>ASY |  | REVISION<br>A |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       |                                                                                                                                               | 0 PLACES ±                                                                            |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                               |                                                                                                                                               | THIRD ANGLE PROJECTION                                                                |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  | DRAWING<br>D-SIZE |  | SERIES<br>100017 |  | MATERIAL NUMBER<br>SEE P/N TABLE |  | CUSTOMER<br>GENERAL MARKET |  | SHEET NUMBER<br>1 OF 8 |  |  |
|  |                                                                                                                                               |  |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |
|                                                                                       |                                                                                                                                               |                                                                                       |                                                                                                     |                                                                           |                                      |                          |                               |                                                                                                                      |                 |  |                 |  |               |  |                   |  |                  |  |                                  |  |                            |  |                        |  |  |

CAGE ASSEMBLY OPTIONS

1000173544

SHOWN



| OVERALL HEAT SINK HEIGHT | DIM "A"  |
|--------------------------|----------|
| PCI                      | 13.7 REF |
| SAN                      | 16.0 REF |
| NET                      | 23.0 REF |

HEIGHT OF HEAT SINK WITH MODULE INSERTED.  
DIMENSION MAY BE LESS DUE TO MODULE AND HEAT SINK VARIATIONS

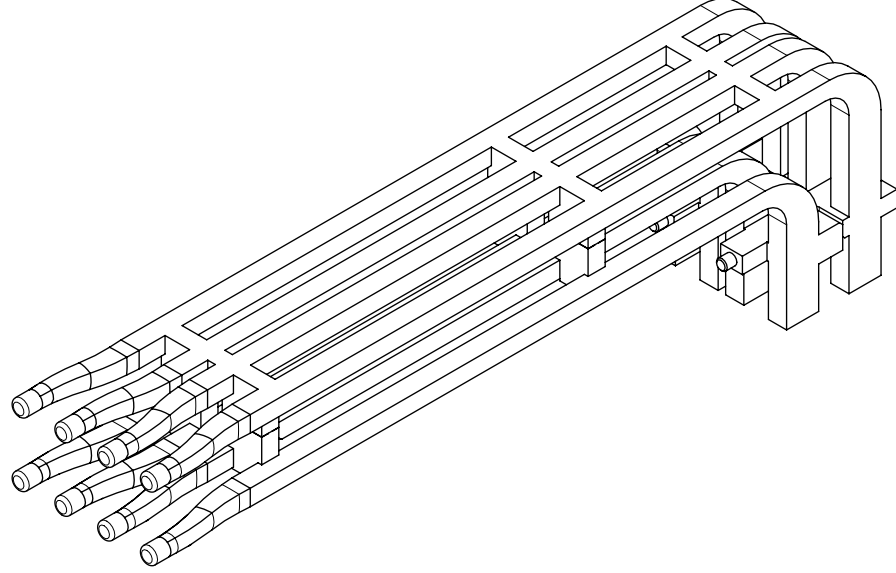
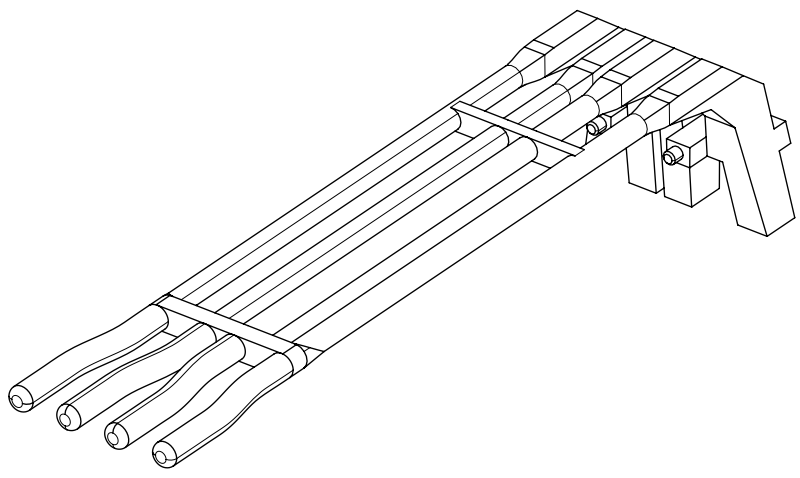
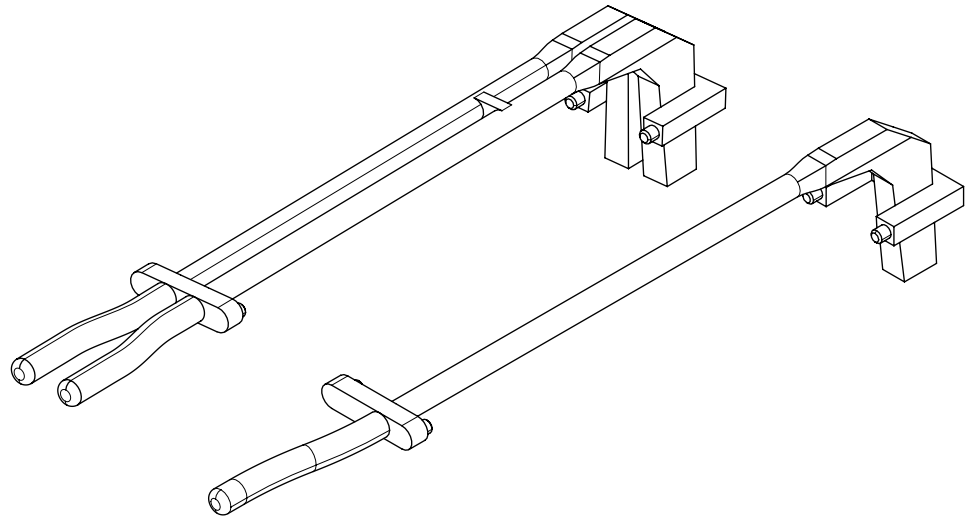
HEATSINK AND LIGHT PIPE COMBINATIONS

HEATSINK  
USED  
WITHOUT  
LIGHTPIPE

SINGLE / DUAL LIGHT PIPE

QUAD LIGHT PIPE

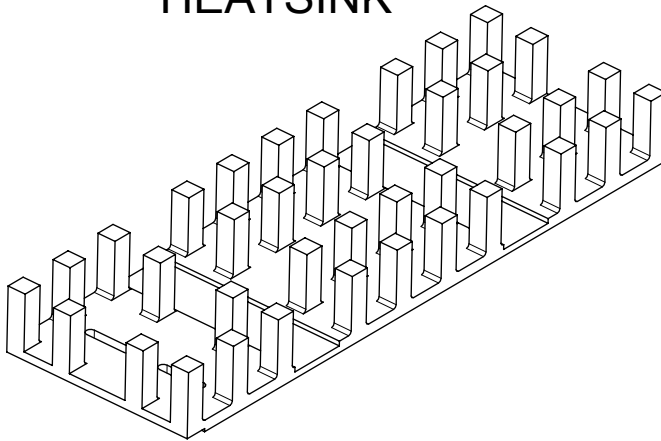
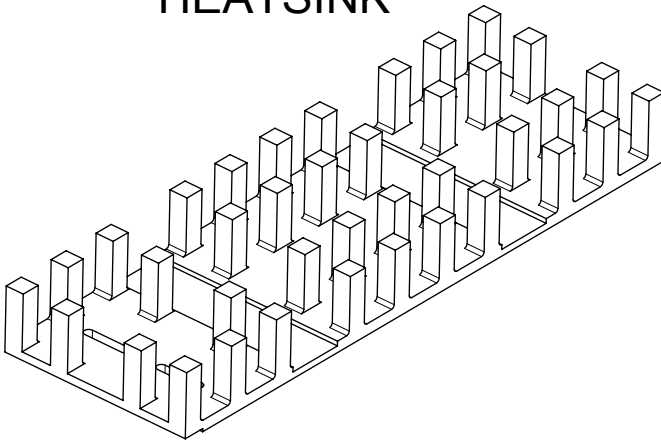
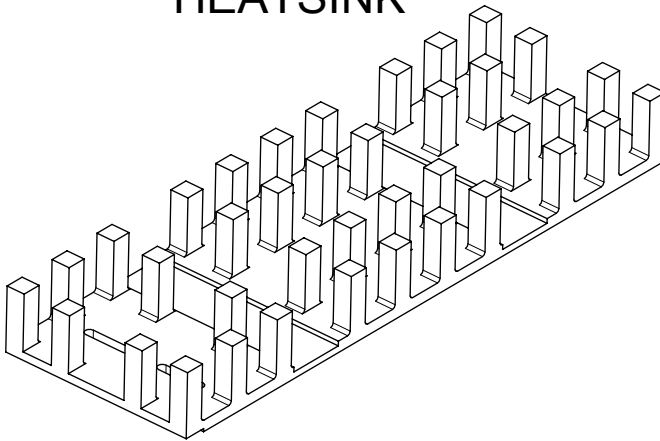
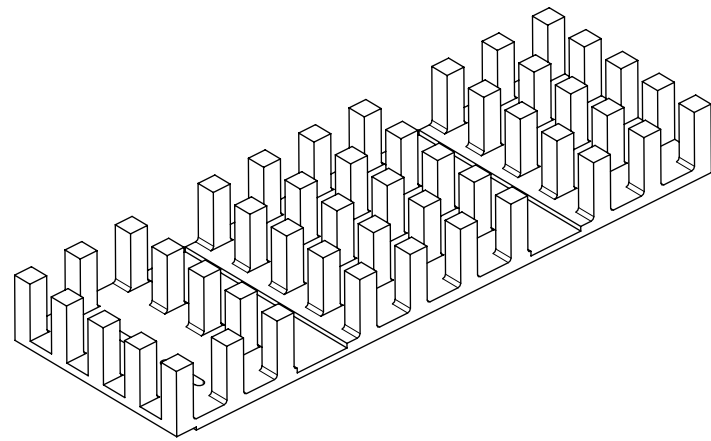
2 ROW QUAD LIGHT PIPE



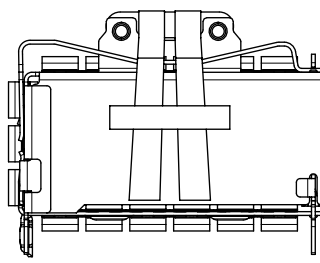
HEATSINK

HEATSINK

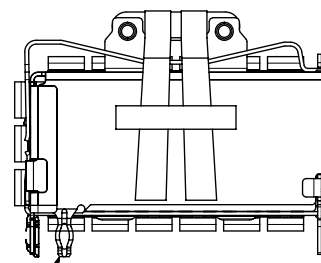
HEATSINK



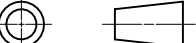
REAR LEG OPTIONS



0 REAR LEGS  
  
Partial1  
Scale 2.5:1

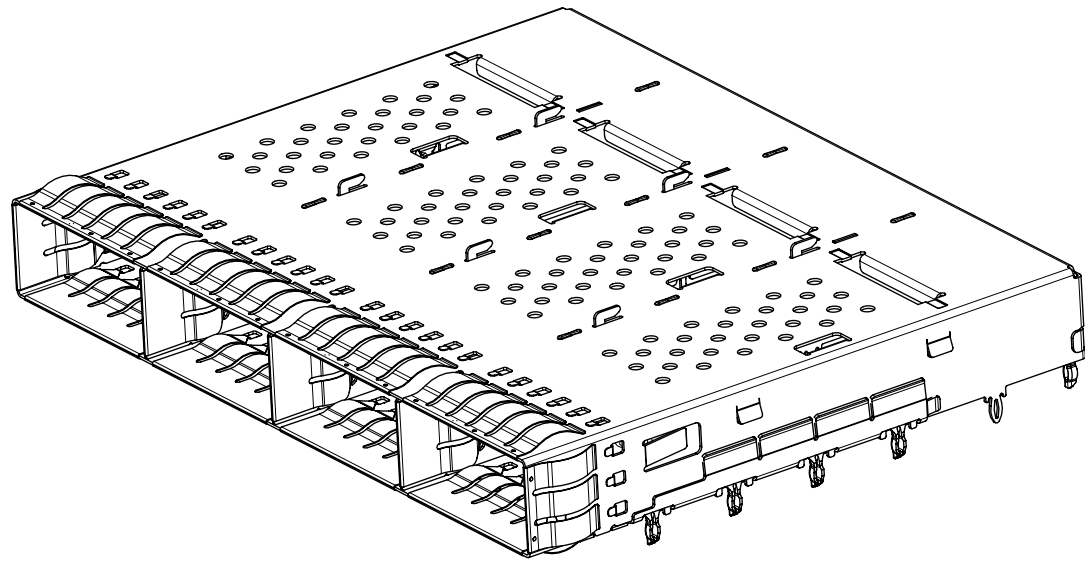


1 REAR LEGS  
  
Partial2  
Scale 2.5:1

|                                                                                                                                               |  |        |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-----------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------------------|--|-------------------|----------|------------------|--|------------|--|-----------------|--|----------------|---|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: SEE REVISION TABLE                                                                |  |  |  | <div>molex</div> <div>ZQSFP+ 1X4 GANGED CAGE ASSY'S<br/>W/ SS TAB TYPE SPRING FINGER H/S &amp; L/P<br/>OPTIONS</div> |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| mm                                                                                                                                            |  | 2:1    |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| ANGULAR TOL ± 1.0°                                                                                                                            |  |        |  | EC NO: 698865<br>DRWN: KRISHH1 2022/02/17<br>CHK'D: TKUMARKC 2022/03/10<br>APPR: JCHIANG 2022/03/21 |  |  |  | PRODUCT CUSTOMER DRAWING                                                                                             |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |
| 0 PLACES                                                                                                                                      |  | ±      |  | INITIAL REVISION:<br>DRWN: KRISHH1 2022/02/17<br>APPR: JCHIANG 2022/03/21                           |  |  |  | DOCUMENT NUMBER                                                                                                      |  | DOC TYPE          | DOC PART | REVISION         |  |            |  |                 |  |                |   |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  |                                                                                                     |  |  |  | THIRD ANGLE PROJECTION<br>      |  | DRAWING<br>D-SIZE |          | SERIES<br>100017 |  | 1000173200 |  | PSD             |  | ASY            | A |              |  |
|                                                                                                                                               |  |        |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  | MATERIAL NUMBER |  | CUSTOMER       |   | SHEET NUMBER |  |
|                                                                                                                                               |  |        |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  | SEE P/N TABLE   |  | GENERAL MARKET |   | 2 OF 8       |  |
|                                                                                                                                               |  |        |  |                                                                                                     |  |  |  |                                                                                                                      |  |                   |          |                  |  |            |  |                 |  |                |   |              |  |

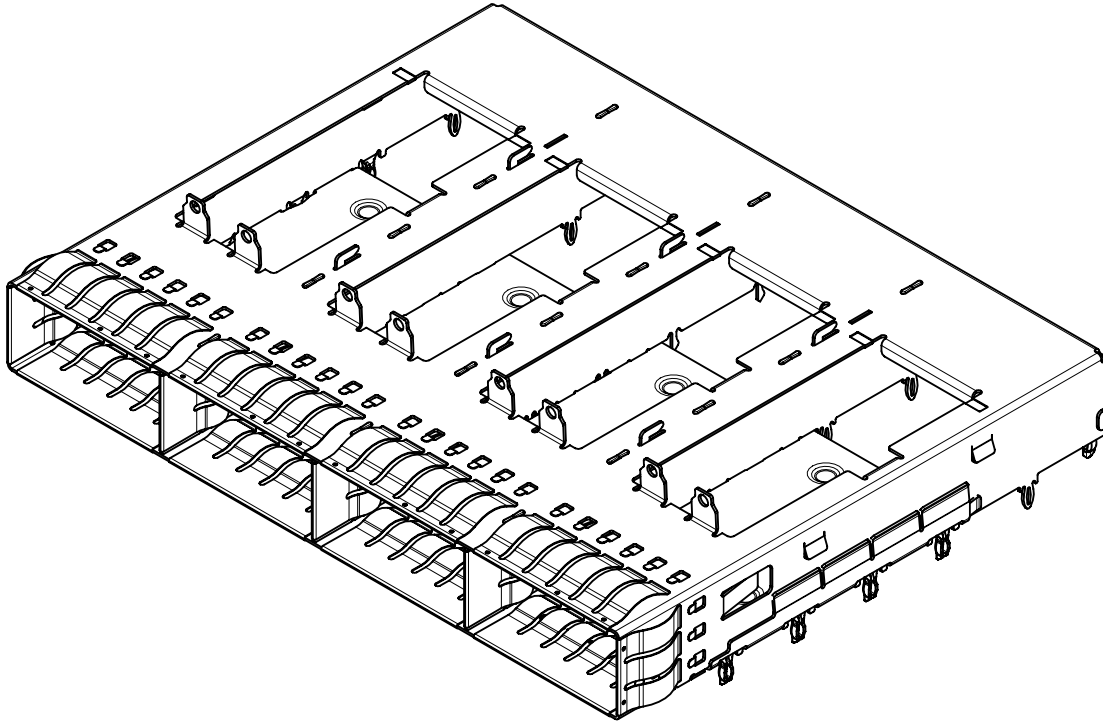
## PART NUMBER SELECTION

NO HEATSINKS  
NO LIGHT PIPES  
CLOSED TOP



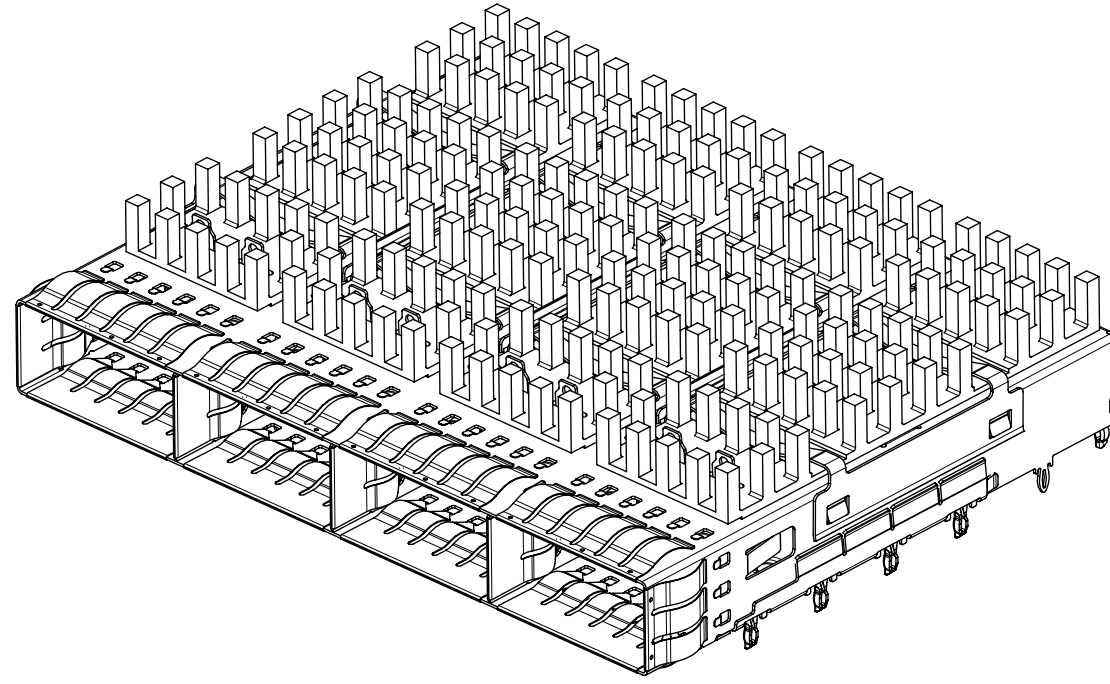
|                                |                           |
|--------------------------------|---------------------------|
| MOLEX P/N<br>W/ SPRING FINGERS | #OF REAR LEGS<br>PER PORT |
| 1000173242                     | 1                         |

NO HEATSINKS  
NO LIGHT PIPES  
OPEN TOP



|                                |                           |
|--------------------------------|---------------------------|
| MOLEX P/N<br>W/ SPRING FINGERS | #OF REAR LEGS<br>PER PORT |
| 1000173252                     | 1                         |

WITH HEATSINKS  
NO LIGHT PIPES

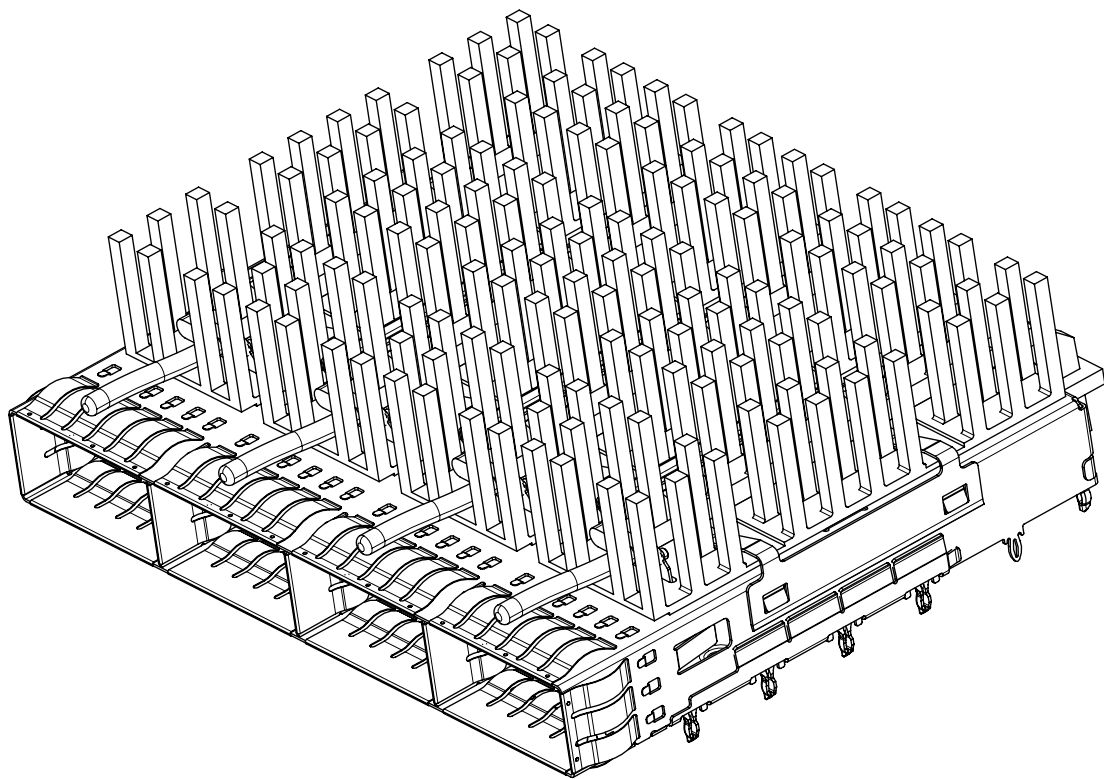


| MOLEX P/N  | HEATSINKS | #OF REAR LEGS<br>PER PORT |
|------------|-----------|---------------------------|
| 1000173343 | PCI       | 1                         |
| 1000173344 | SAN       | 1                         |

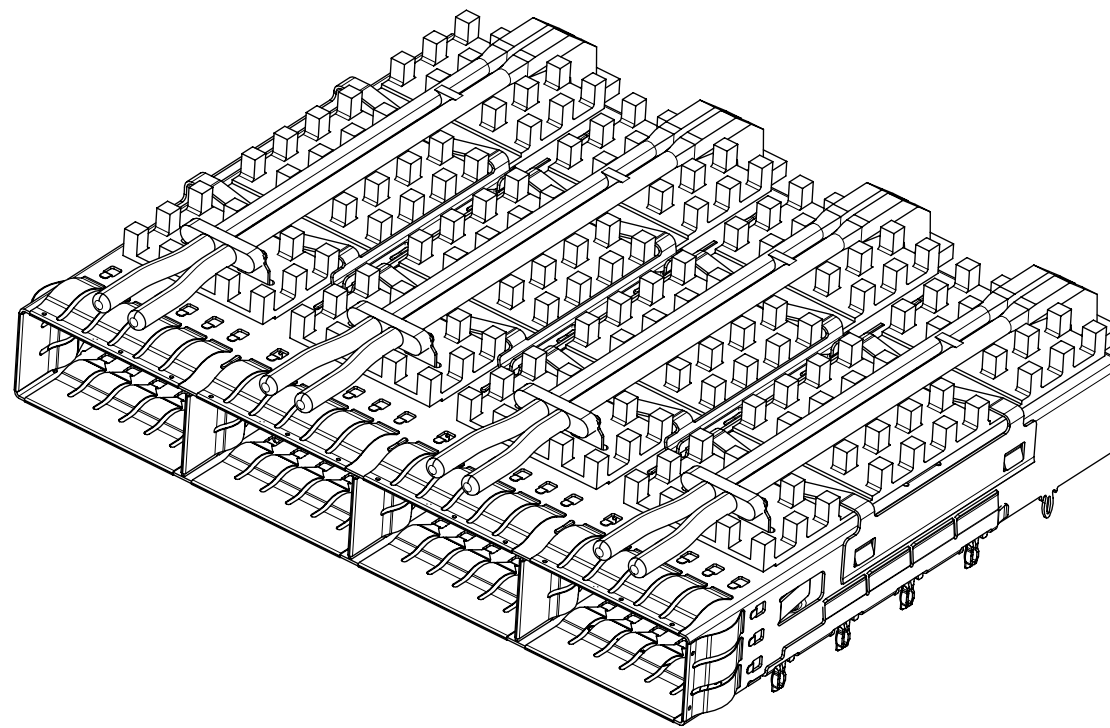
## WITH HEATSINKS AND LIGHT PIPES

| MOLEX P/N  | LIGHTPIPES | HEATSINKS | #OF REAR LEGS<br>PER PORT |
|------------|------------|-----------|---------------------------|
| 1000173443 | DUAL       | PCI       | 0                         |
| 1000173446 | QUAD       | PCI       | 0                         |
|            |            |           |                           |
| 1000173542 | SINGLE     | NET       | 1                         |
| 1000173544 | DUAL       | SAN       | 1                         |
| 1000173547 | QUAD       | SAN       | 1                         |
| 1000173548 | QUAD       | NET       | 1                         |

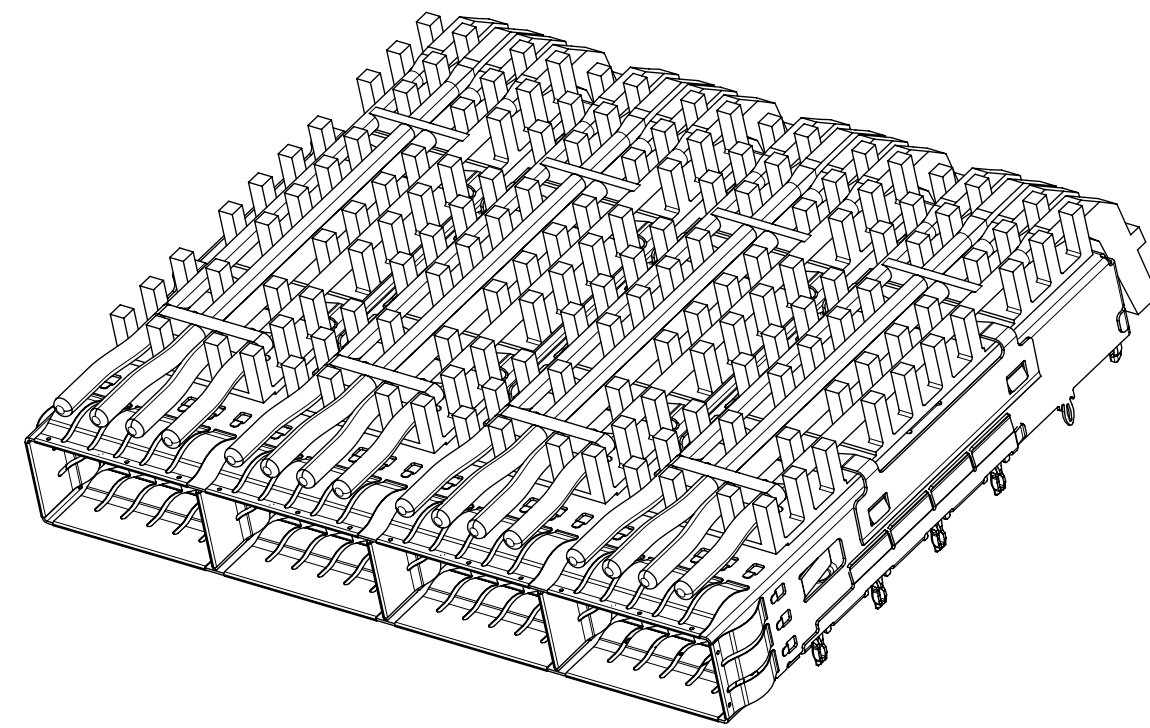
## SINGLE LIGHT PIPE

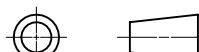


## DUAL LIGHT PIPE



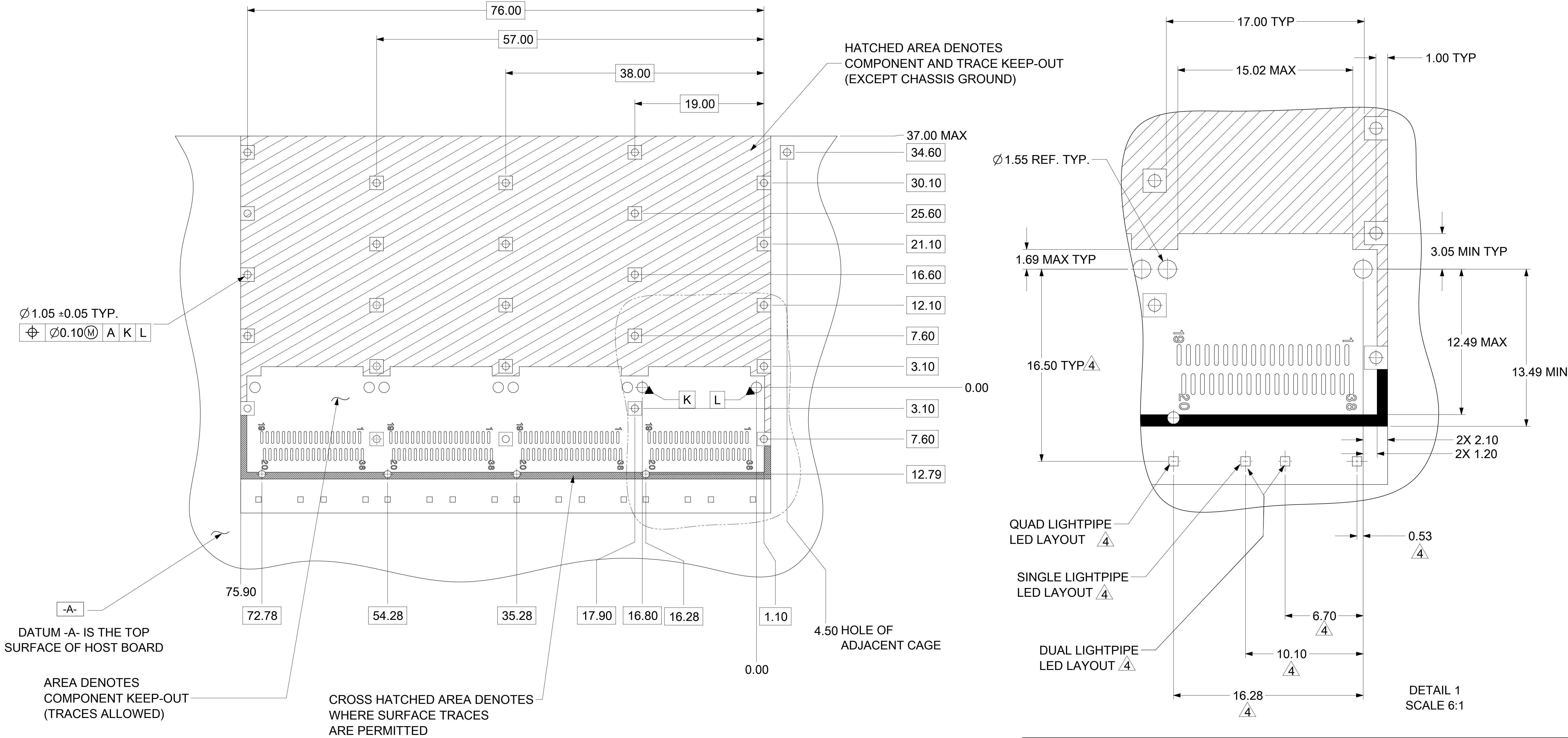
QUAD LIGHT PIPE



|                                                                                                                                               |  |        |  |                                                                                                                 |  |                   |  |                                          |  |                                  |  |                            |  |                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-----------------------------------------------------------------------------------------------------------------|--|-------------------|--|------------------------------------------|--|----------------------------------|--|----------------------------|--|------------------------|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: SEE REVISION TABLE                                                                            |  |                   |  | <div>molex</div>                         |  |                                  |  |                            |  |                        |  |
| mm                                                                                                                                            |  | 1.5:1  |  |                                                                                                                 |  |                   |  |                                          |  |                                  |  |                            |  |                        |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | ZQSFP+ 1X4 GANGED CAGE ASSY'S<br>W/ SS TAB TYPE SPRING FINGER H/S & L/P<br>OPTIONS                              |  |                   |  |                                          |  |                                  |  |                            |  |                        |  |
| ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |  |                                                                                                                 |  |                   |  |                                          |  |                                  |  |                            |  |                        |  |
| 4 PLACES                                                                                                                                      |  | ±      |  | EC NO: 698865                                                                                                   |  |                   |  | PRODUCT CUSTOMER DRAWING                 |  |                                  |  |                            |  |                        |  |
| 3 PLACES                                                                                                                                      |  | ±      |  | DRWN: KRISHH1 2022/02/17                                                                                        |  |                   |  |                                          |  |                                  |  |                            |  |                        |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  | CHK'D: TKUMARKC 2022/03/10                                                                                      |  |                   |  |                                          |  |                                  |  |                            |  |                        |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  | APPR: JCHIANG 2022/03/21                                                                                        |  |                   |  | DOCUMENT NUMBER<br><div>1000173200</div> |  |                                  |  |                            |  |                        |  |
| 0 PLACES                                                                                                                                      |  | ±      |  | INITIAL REVISION:<br>DRWN: KRISHH1 2022/02/17<br>APPR: JCHIANG 2022/03/21                                       |  |                   |  |                                          |  |                                  |  |                            |  | DOC TYPE<br>PSD        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>D-SIZE |  | SERIES<br>100017                         |  | MATERIAL NUMBER<br>SEE P/N TABLE |  | CUSTOMER<br>GENERAL MARKET |  | SHEET NUMBER<br>3 OF 8 |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/03/21 | 02:37:39 |
|-----------------|----|--------------|------------|----------|

PCB LAYOUT FOR SINGLE SIDED MOUNTING

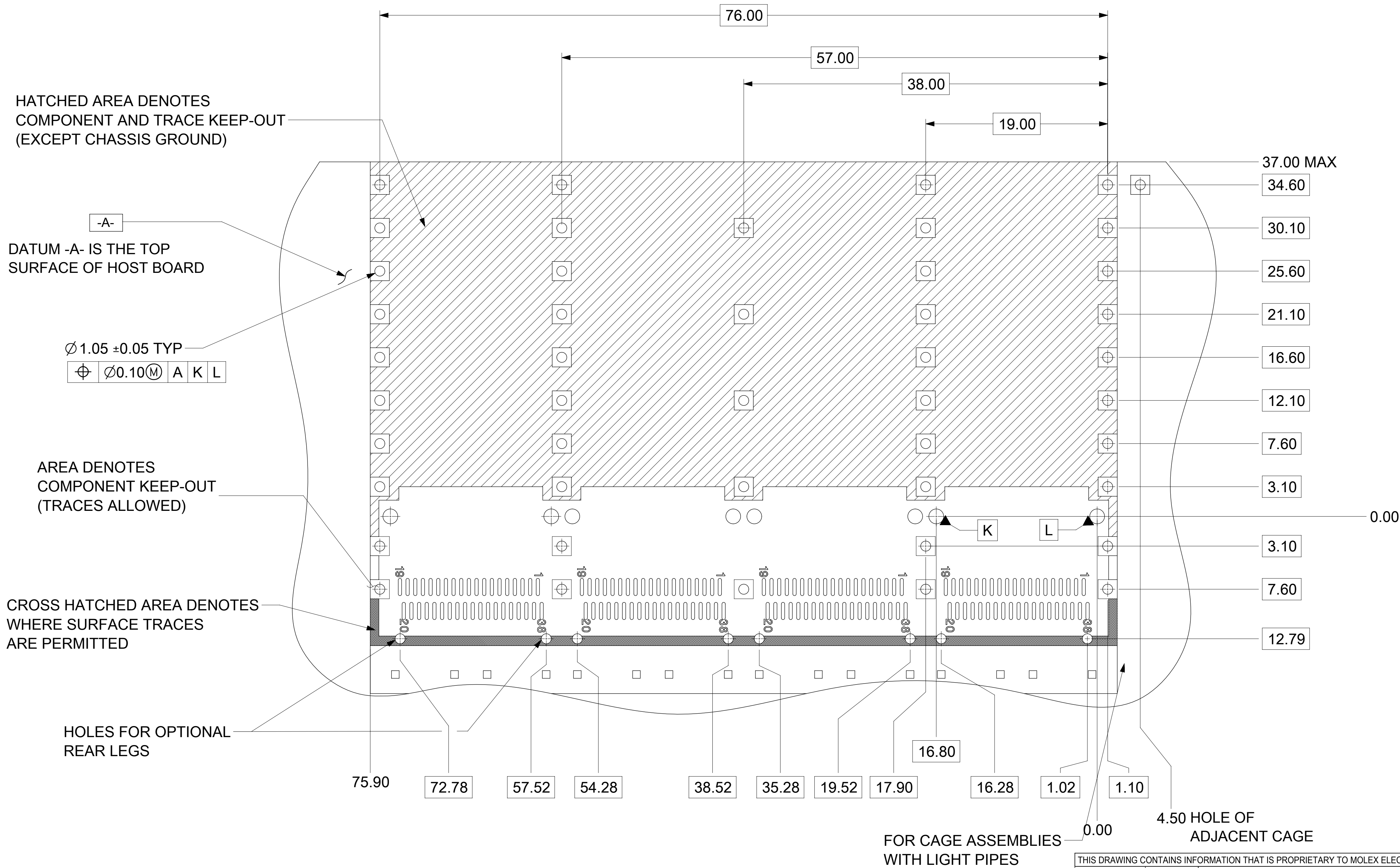


- NOTES:
- 1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
  - 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  - 3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERIES 170432.
  - 4. NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.

|                                                                                                                                               |  |        |  |                                                                                                                      |  |                 |  |                 |  |                |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|----------------------------------------------------------------------------------------------------------------------|--|-----------------|--|-----------------|--|----------------|----------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                                                                                                      |  |                 |  |                 |  |                |          |
| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: SEE REVISION TABLE                                                                                 |  |                 |  |                 |  |                |          |
| mm                                                                                                                                            |  | 3.5:1  |  |                                                                                                                      |  |                 |  |                 |  |                |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |  | <div>molex</div> <div>ZQSFP+ 1X4 GANGED CAGE ASSY'S<br/>W/ SS TAB TYPE SPRING FINGER H/S &amp; L/P<br/>OPTIONS</div> |  |                 |  |                 |  |                |          |
| ANGULAR TOL ± 1.0°                                                                                                                            |  |        |  |                                                                                                                      |  |                 |  |                 |  |                |          |
| 4 PLACES                                                                                                                                      |  | ±      |  | EC NO: 698865                                                                                                        |  | 2022/02/17      |  |                 |  |                |          |
| 3 PLACES                                                                                                                                      |  | ±      |  | DRWN: KRISHH1                                                                                                        |  |                 |  |                 |  |                |          |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  | CHK'D: TKUMARKC                                                                                                      |  |                 |  |                 |  |                |          |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  | APPR: JCHIANG                                                                                                        |  | 2022/03/10      |  |                 |  |                |          |
| 0 PLACES                                                                                                                                      |  | ±      |  | INITIAL REVISION:                                                                                                    |  | 2022/03/21      |  |                 |  |                |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | DRWN: KRISHH1                                                                                                        |  | DOCUMENT NUMBER |  | DOC TYPE        |  | DOC PART       | REVISION |
|                                                                                                                                               |  |        |  | APPR: JCHIANG                                                                                                        |  | 1000173200      |  | PSD             |  | ASY            | A        |
| THIRD ANGLE PROJECTION                                                                                                                        |  |        |  | DRAWING                                                                                                              |  | SERIES          |  | MATERIAL NUMBER |  | CUSTOMER       |          |
|                                                          |  |        |  | D-SIZE                                                                                                               |  | 100017          |  | SEE P/N TABLE   |  | GENERAL MARKET |          |
|                                                                                                                                               |  |        |  |                                                                                                                      |  |                 |  |                 |  | SHEET NUMBER   |          |
|                                                                                                                                               |  |        |  |                                                                                                                      |  |                 |  |                 |  | 4 OF 8         |          |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/03/21 | 02:37:39 |
|-----------------|----|--------------|------------|----------|

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

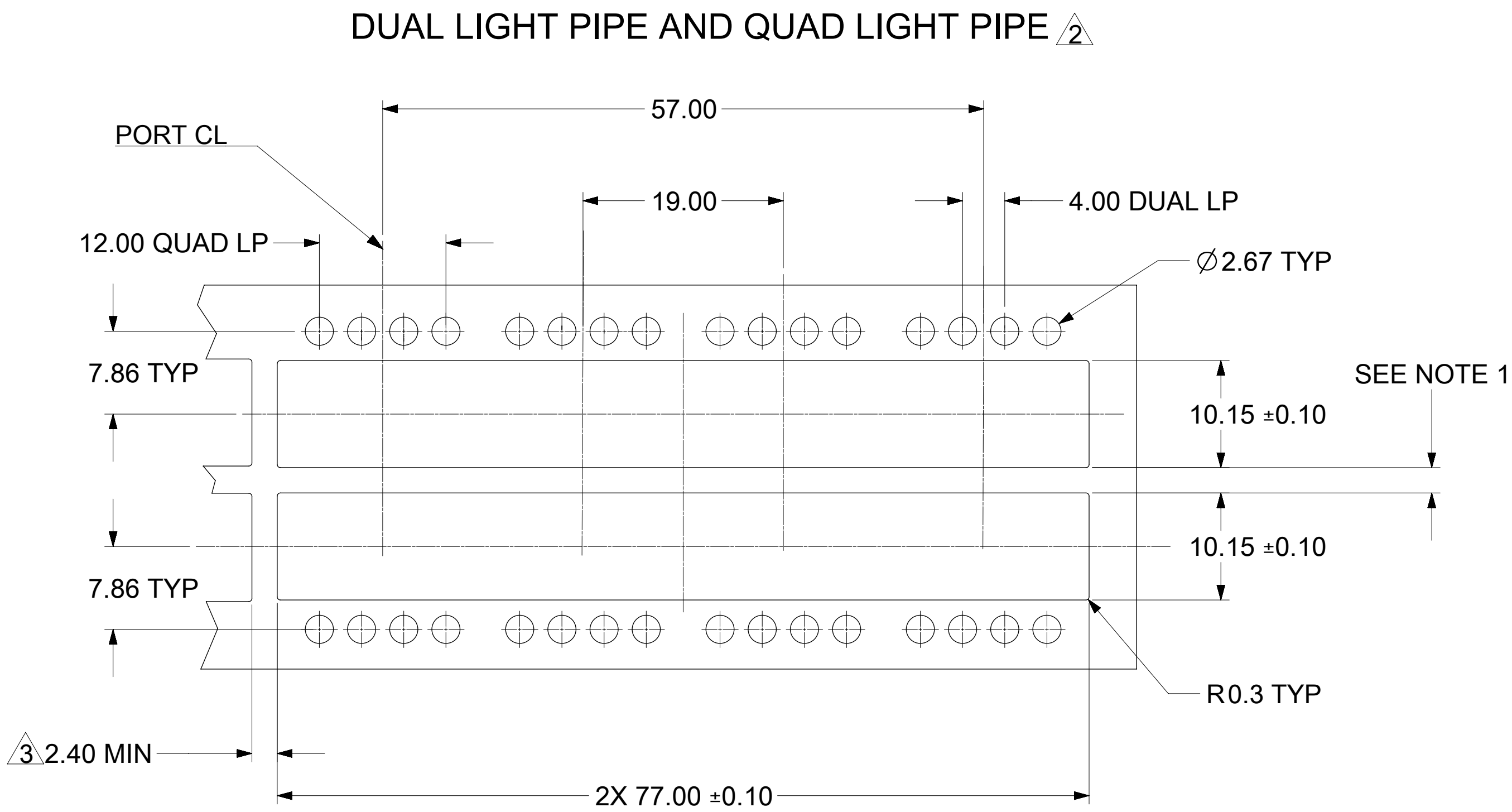
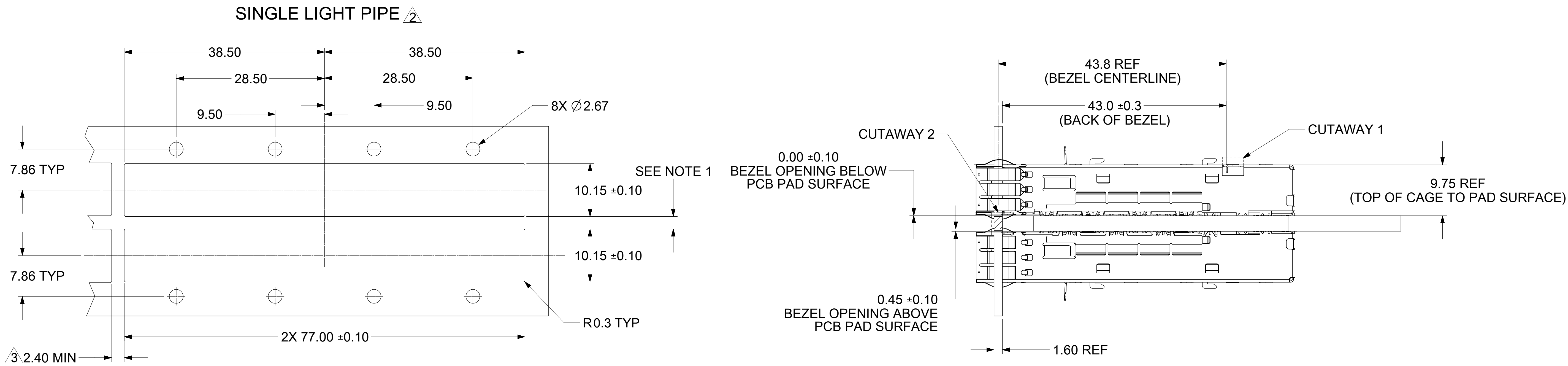


- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND. (RECOMMENDED PADS TO BE 2.00mm SQUARE.)
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  3. CONNECTOR PAD LAYOUT PER SFF-8663 WILL ACCOMODATE MOLEX CONNECTOR SERRIES 170432.

|                                                                                                                                               |  |       |      |                                                                                                  |  |         |  |                          |  |               |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|--------------------------------------------------------------------------------------------------|--|---------|--|--------------------------|--|---------------|----------|
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| DIMENSION UNITS                                                                                                                               |  | SCALE |      | CURRENT REV DESC: SEE REVISION TABLE                                                             |  |         |  | <div>molex</div>         |  |               |          |
| mm                                                                                                                                            |  | 4:1   |      |                                                                                                  |  |         |  |                          |  |               |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |       |      | EC NO: 698865<br>DRWN: KRISHH12022/02/17<br>CHK'D: TKUMARKC2022/03/10<br>APPR: JCHIANG2022/03/21 |  |         |  |                          |  |               |          |
| ANGULAR TOL                                                                                                                                   |  | ±     | 1.0° |                                                                                                  |  |         |  |                          |  |               |          |
| 4 PLACES                                                                                                                                      |  | ±     |      |                                                                                                  |  |         |  |                          |  |               |          |
| 3 PLACES                                                                                                                                      |  | ±     |      |                                                                                                  |  |         |  |                          |  |               |          |
| 2 PLACES                                                                                                                                      |  | ±     | 0.13 |                                                                                                  |  |         |  |                          |  |               |          |
| 1 PLACE                                                                                                                                       |  | ±     | 0.25 | INITIAL REVISION:<br>DRWN: KRISHH12022/02/17<br>APPR: JCHIANG2022/03/21                          |  |         |  | PRODUCT CUSTOMER DRAWING |  |               |          |
| 0 PLACES                                                                                                                                      |  | ±     |      |                                                                                                  |  |         |  | DOCUMENT NUMBER          |  | DOC TYPE      | DOC PART |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |      | THIRD ANGLE PROJECTION                                                                           |  | DRAWING |  | SERIES                   |  | 1000173200    |          |
|                                                                                                                                               |  |       |      |                                                                                                  |  |         |  |                          |  | PSD           |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |      |                                                                                                  |  | D-SIZE  |  | 100017                   |  | SEE P/N TABLE |          |
|                                                                                                                                               |  |       |      |                                                                                                  |  |         |  | GENERAL MARKET           |  | 5 OF 8        |          |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/03/21 | 02:37:39 |
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BEZEL AND BOARD POSITION DIMENSIONS  
FOR BELLY TO BELLY MOUNTING

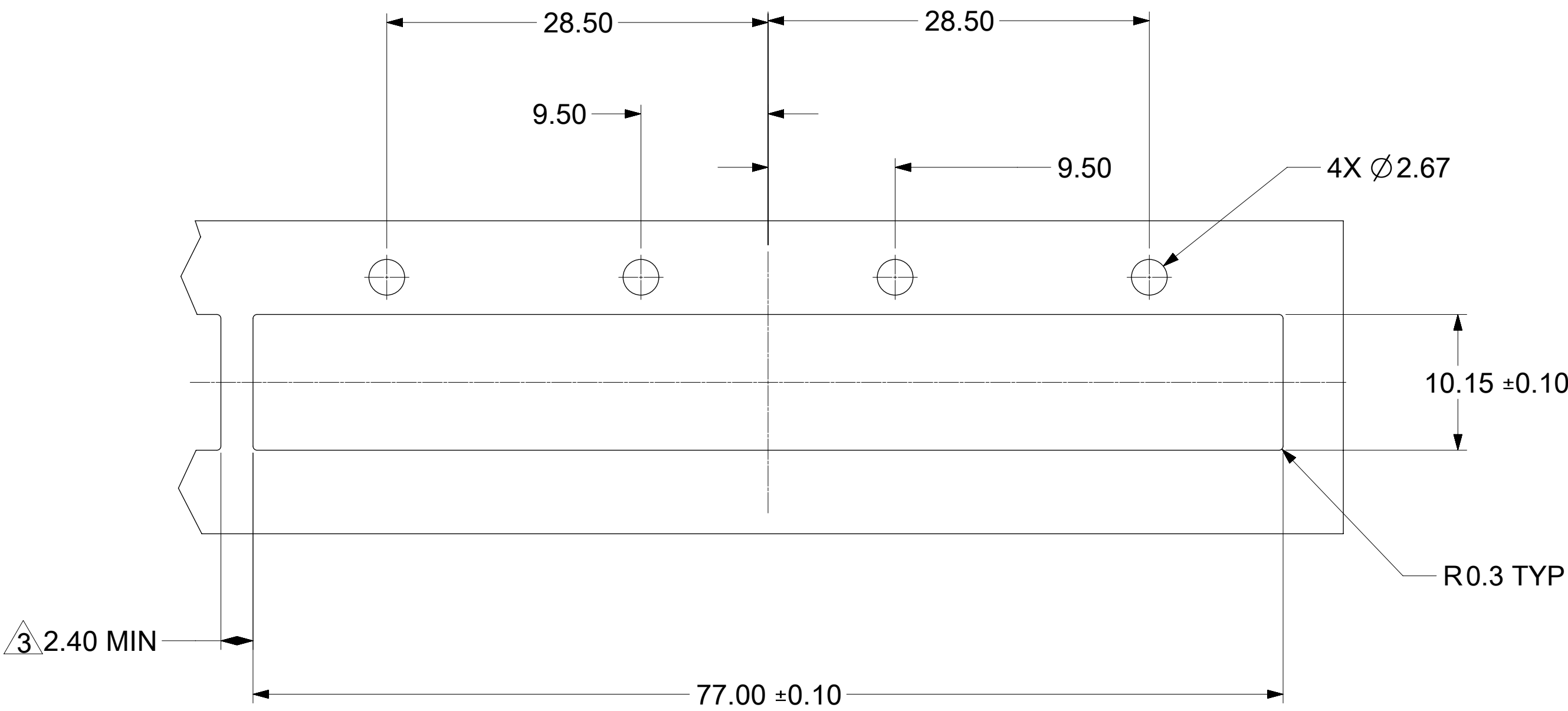


NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.  
<sup>2</sup> NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.  
<sup>3</sup> THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION.  
(THIS DIMENSION VARIES BASED ON DISTANCE OF " HOLE OF ADJACENT CAGE" ON PCB LAYOUT.)

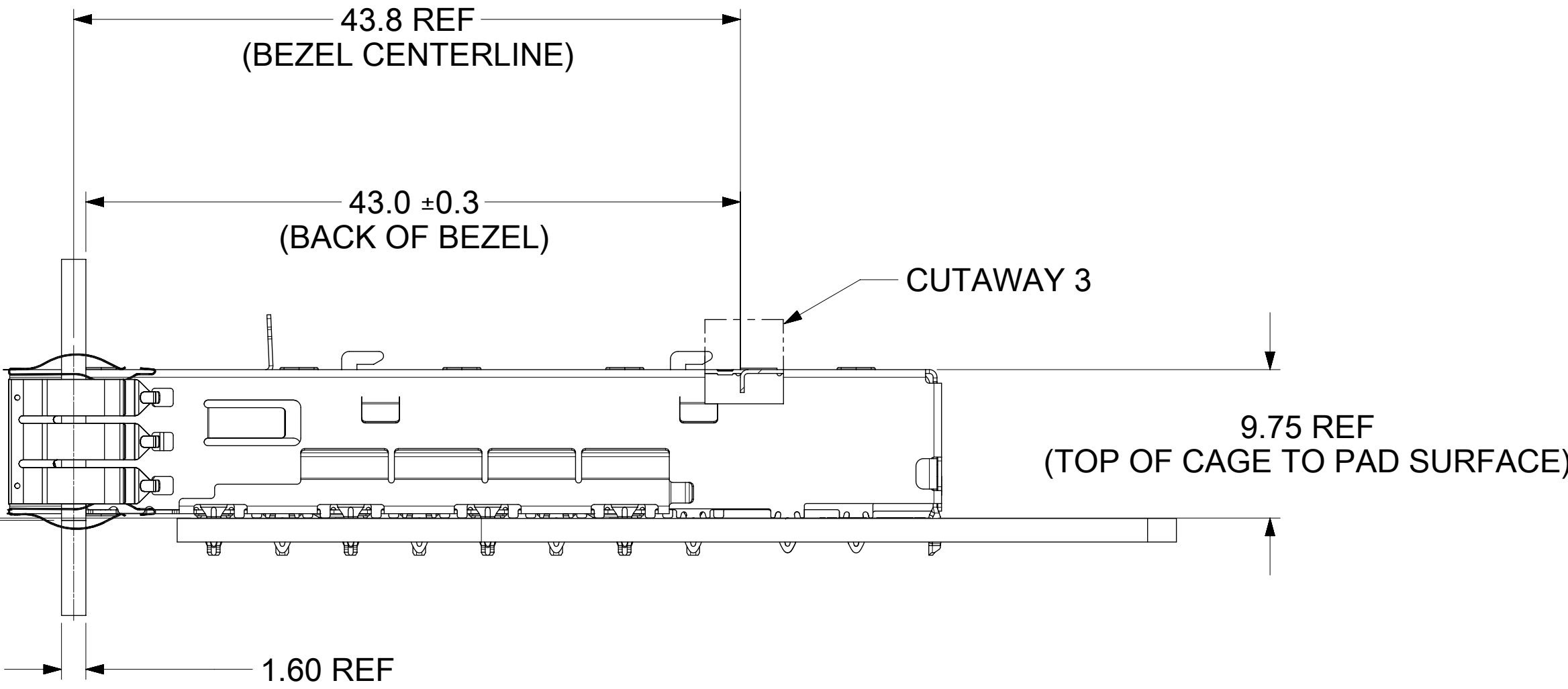
|                                                                                                                                               |  |        |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--|--------|--|-----------------|--|----------------|--|--------------|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: SEE REVISION TABLE                                                                                                                                             |  |         |  |        |  |                 |  |                |  |              |  |
| mm                                                                                                                                            |  | 2.5:1  |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |  | EC NO: 698865<br>DRWN: KRISHH1 2022/02/17<br>CHK'D: TKUMARKC 2022/03/10<br>APPR: JCHIANG 2022/03/21<br>INITIAL REVISION:<br>DRWN: KRISHH1 2022/02/17<br>APPR: JCHIANG 2022/03/21 |  |         |  |        |  |                 |  |                |  |              |  |
| ANGULAR TOL ± 1.0°                                                                                                                            |  |        |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  |        |  | THIRD ANGLE PROJECTION                                                                                                                                                           |  | DRAWING |  | SERIES |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |        |  |                                                                                             |  | D-SIZE  |  | 100017 |  | SEE P/N TABLE   |  | GENERAL MARKET |  | 6 OF 8       |  |
| molex                                                                                                                                         |  |        |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| ZQSFP+ 1X4 GANGED CAGE ASSY'S<br>W/ SS TAB TYPE SPRING FINGER H/S & L/P<br>OPTIONS                                                            |  |        |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| PRODUCT CUSTOMER DRAWING                                                                                                                      |  |        |  |                                                                                                                                                                                  |  |         |  |        |  |                 |  |                |  |              |  |
| DOCUMENT NUMBER                                                                                                                               |  |        |  |                                                                                                                                                                                  |  |         |  |        |  | DOC TYPE        |  | DOC PART       |  | REVISION     |  |
| 1000173200                                                                                                                                    |  |        |  |                                                                                                                                                                                  |  |         |  |        |  | PSD             |  | ASY            |  | A            |  |

BEZEL AND BOARD POSITION DIMENSIONS  
FOR SINGLE SIDE MOUNTING

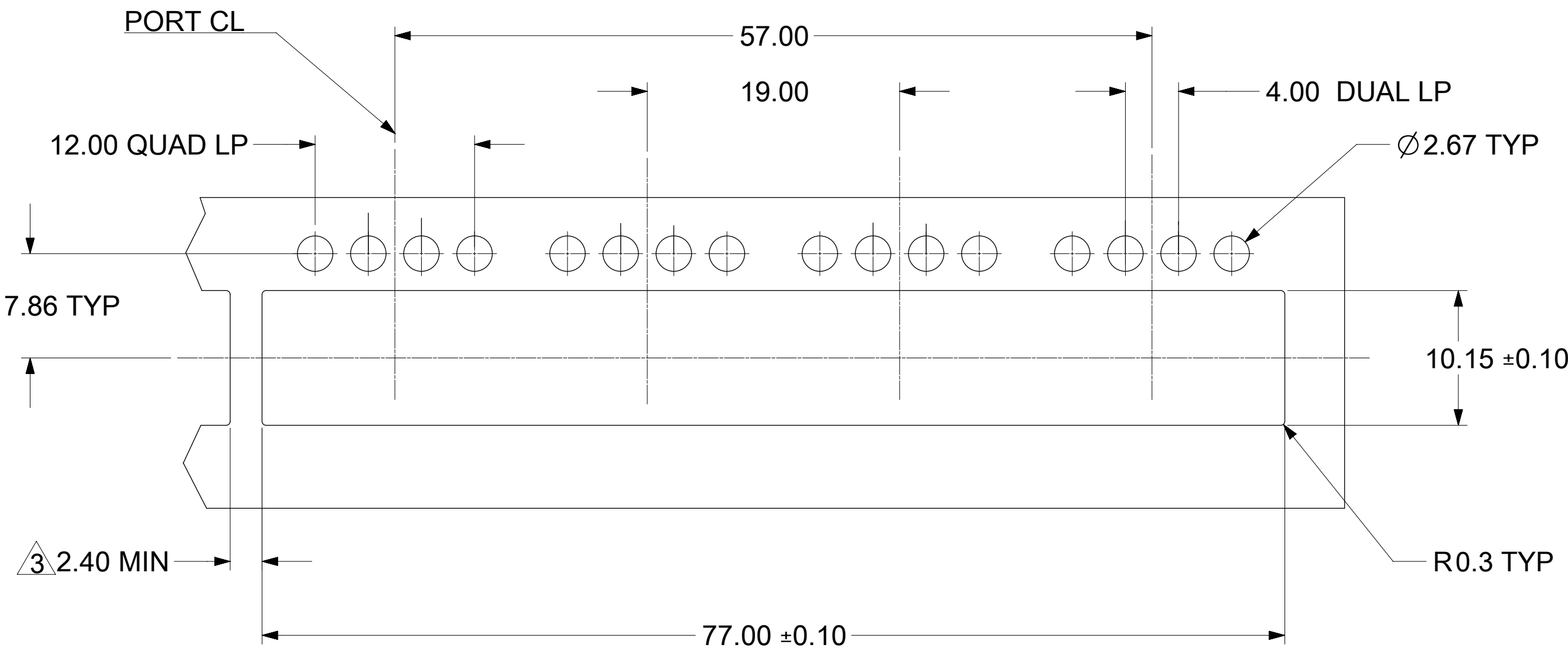
SINGLE LIGHT PIPE <sup>2</sup>



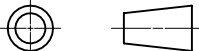
0.15 ±0.10  
BEZEL OPENING BELOW  
PCB PAD SURFACE



DUAL LIGHT PIPE AND QUAD LIGHT PIPE <sup>2</sup>



NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.  
<sup>2</sup> NOTED DIMENSIONS ONLY APPLY TO CAGE ASSEMBLIES WITH LIGHT PIPES.  
<sup>3</sup> THIS DIMENSION IS FOR REFERENCE ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION.  
(THIS DIMENSION VARIES BASED ON DISTANCE OF " HOLE OF ADIACENT CAGE" ON PCB LAYOUT.)

|                                                                                                                                               |  |        |  |                                                                                                     |  |         |  |                                                                                                                      |  |                 |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-----------------------------------------------------------------------------------------------------|--|---------|--|----------------------------------------------------------------------------------------------------------------------|--|-----------------|--|----------------|--|--------------|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: SEE REVISION TABLE                                                                |  |         |  | <div>molex</div> <div>ZQSFP+ 1X4 GANGED CAGE ASSY'S<br/>W/ SS TAB TYPE SPRING FINGER H/S &amp; L/P<br/>OPTIONS</div> |  |                 |  |                |  |              |  |
| mm                                                                                                                                            |  | 3:1    |  |                                                                                                     |  |         |  |                                                                                                                      |  |                 |  |                |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | EC NO: 698865<br>DRWN: KRISHH1 2022/02/17<br>CHK'D: TKUMARKC 2022/03/10<br>APPR: JCHIANG 2022/03/21 |  |         |  | PRODUCT CUSTOMER DRAWING                                                                                             |  |                 |  |                |  |              |  |
| ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |  |                                                                                                     |  |         |  |                                                                                                                      |  |                 |  |                |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                                     |  |         |  | DOCUMENT NUMBER                                                                                                      |  | DOC TYPE        |  | DOC PART       |  | REVISION     |  |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                                     |  |         |  | 1000173200                                                                                                           |  | PSD             |  | ASY            |  | A            |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                                                     |  |         |  |                                                                                                                      |  |                 |  |                |  |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  | INITIAL REVISION:                                                                                   |  |         |  |                                                                                                                      |  |                 |  |                |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±      |  | DRWN: KRISHH1 2022/02/17<br>APPR: JCHIANG 2022/03/21                                                |  |         |  |                                                                                                                      |  |                 |  |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                                                                              |  | DRAWING |  | SERIES                                                                                                               |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |        |  |                |  | D-SIZE  |  | 100017                                                                                                               |  | SEE P/N TABLE   |  | GENERAL MARKET |  | 7 OF 8       |  |

| REV | DATE       | DESCRIPTION     |
|-----|------------|-----------------|
| A   | 02/17/2022 | INITIAL RELEASE |
|     |            |                 |
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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.13

1 PLACE ± 0.25

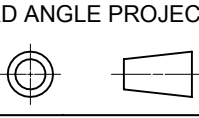
0 PLACES ±

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 698865  
DRWN: KRISHH1 2022/02/17  
CHK'D: TKUMARKC 2022/03/10  
APPR: JCHIANG 2022/03/21  
INITIAL REVISION:  
DRWN: KRISHH1 2022/02/17  
APPR: JCHIANG 2022/03/21

THIRD ANGLE PROJECTION



DRAWING

D-SIZE

SERIES

100017

molex

ZQSFP+ 1X4 GANGED CAGE ASSY'S  
W/ SS TAB TYPE SPRING FINGER H/S & L/P  
OPTIONS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1000173200

DOC TYPE

PSD

DOC PART

ASY

REVISION

A

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE P/N TABLE

GENERAL MARKET

8 OF 8

19

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

DOCUMENT STATUS

P1

RELEASE DATE

2022/03/21 02:37:39