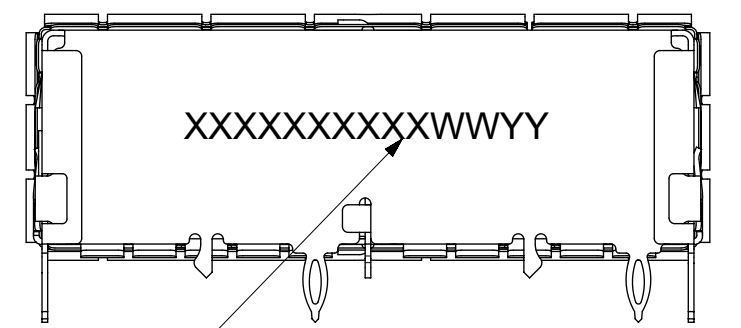
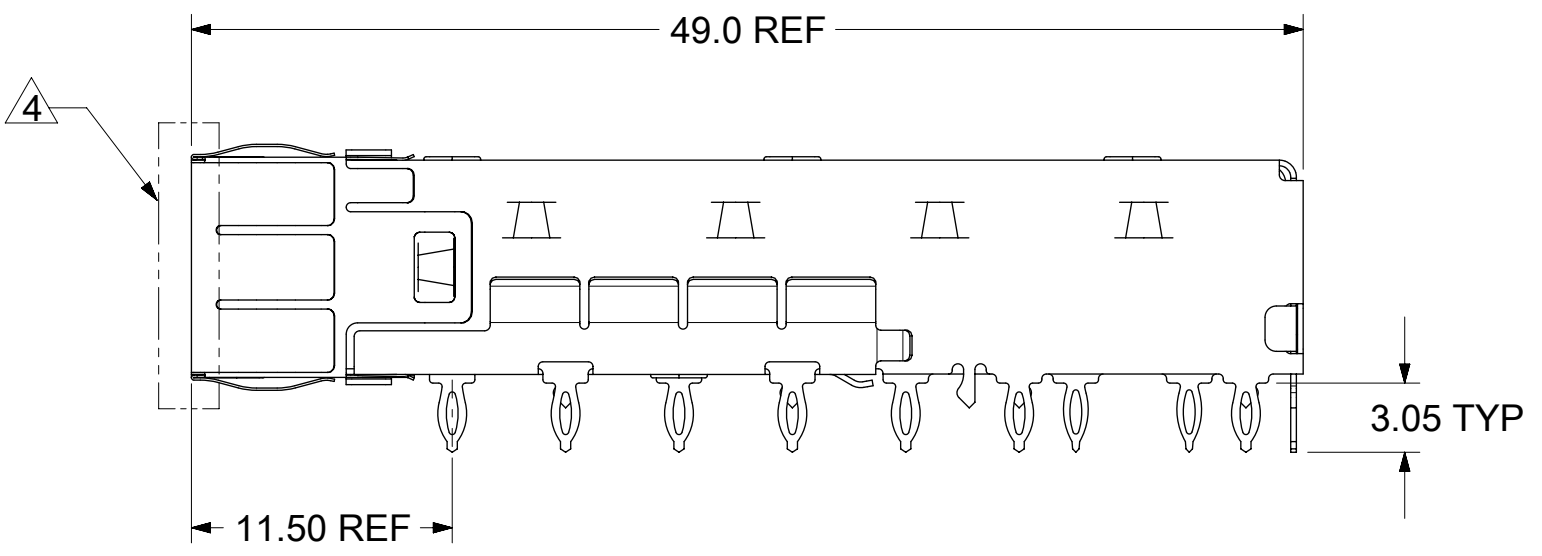
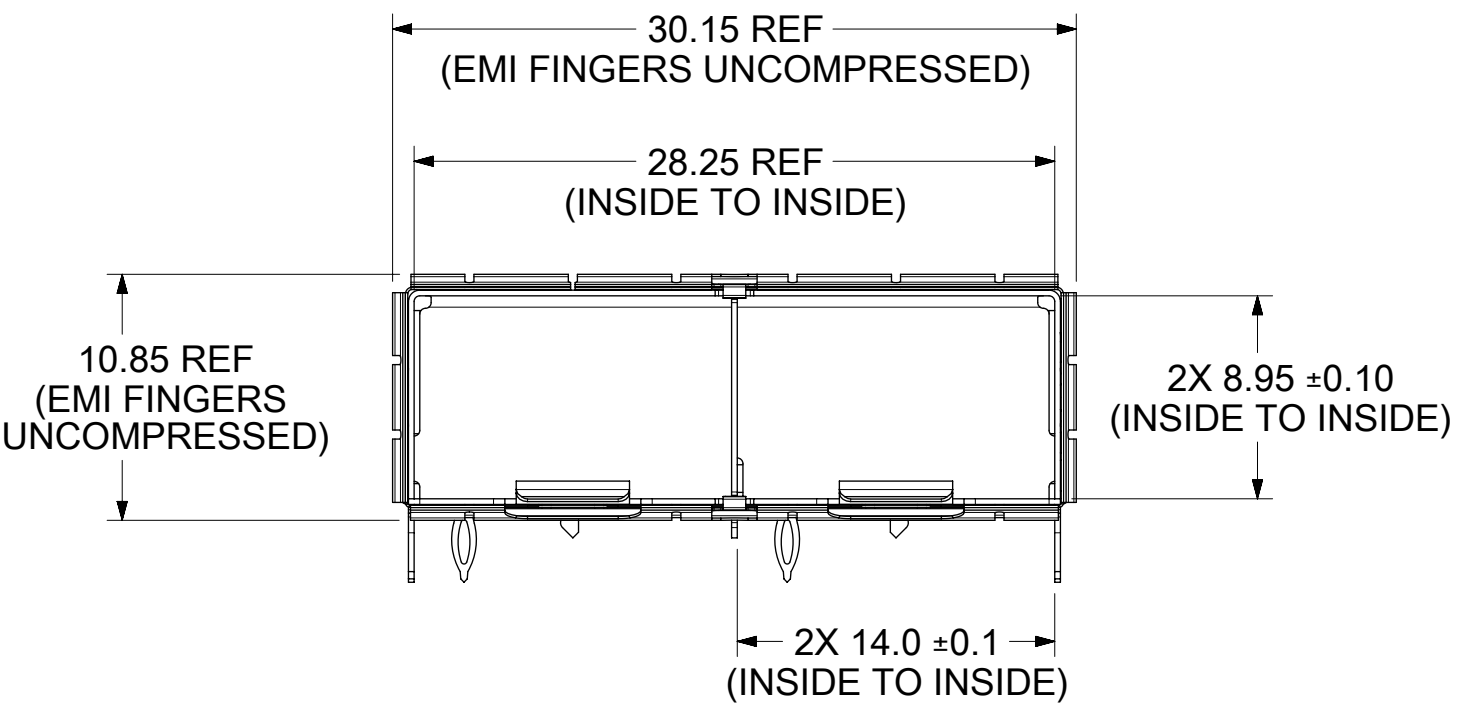
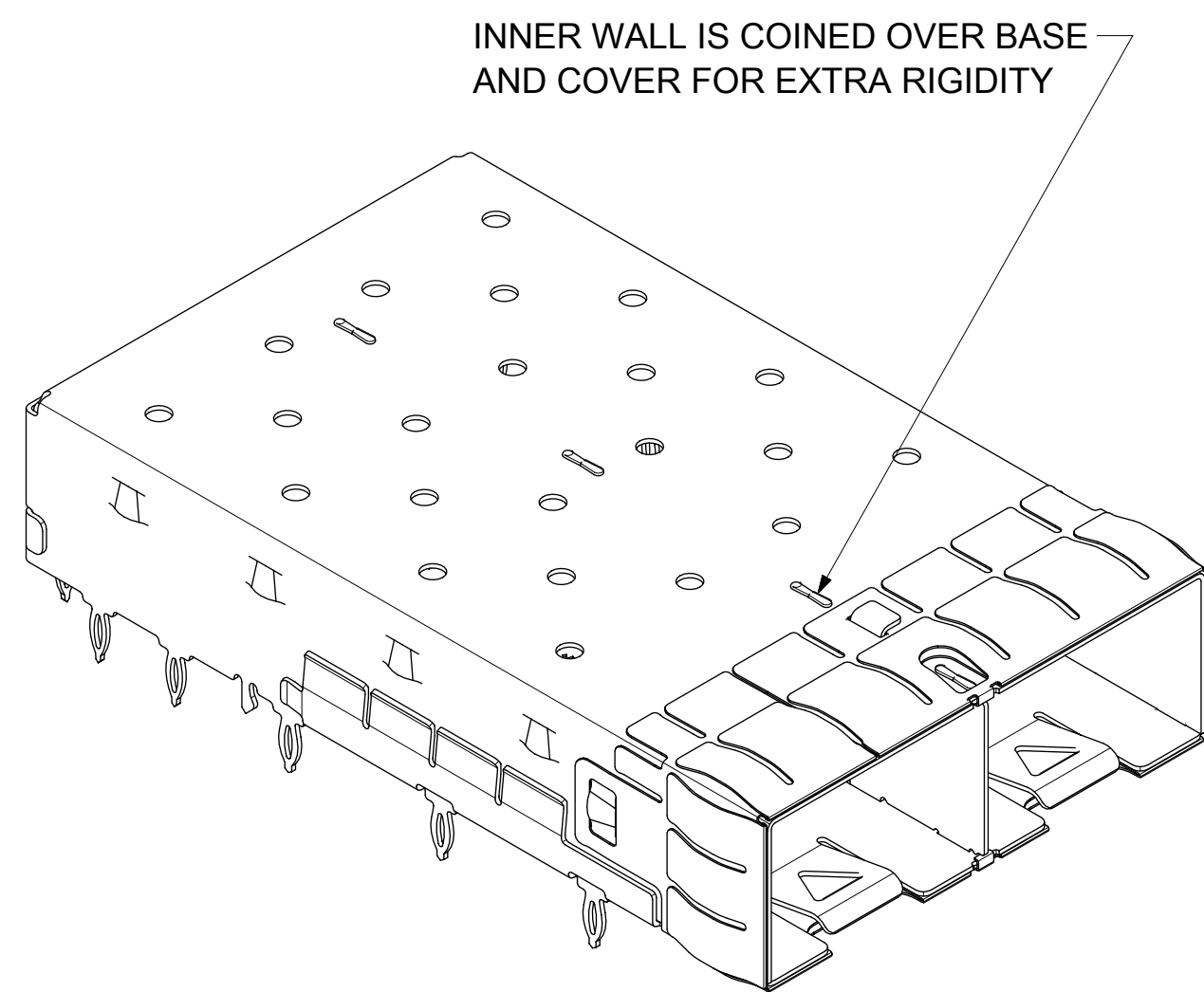
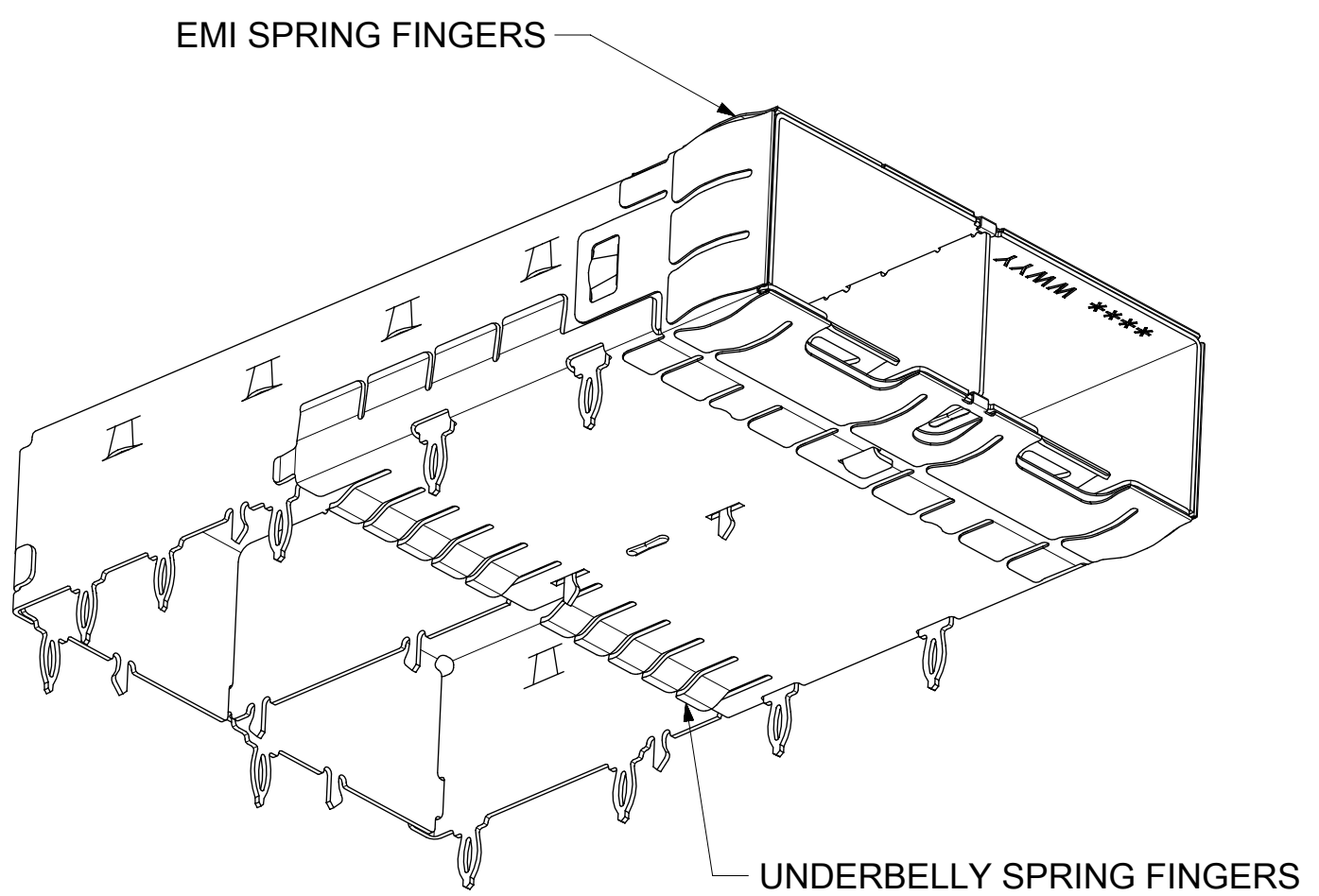
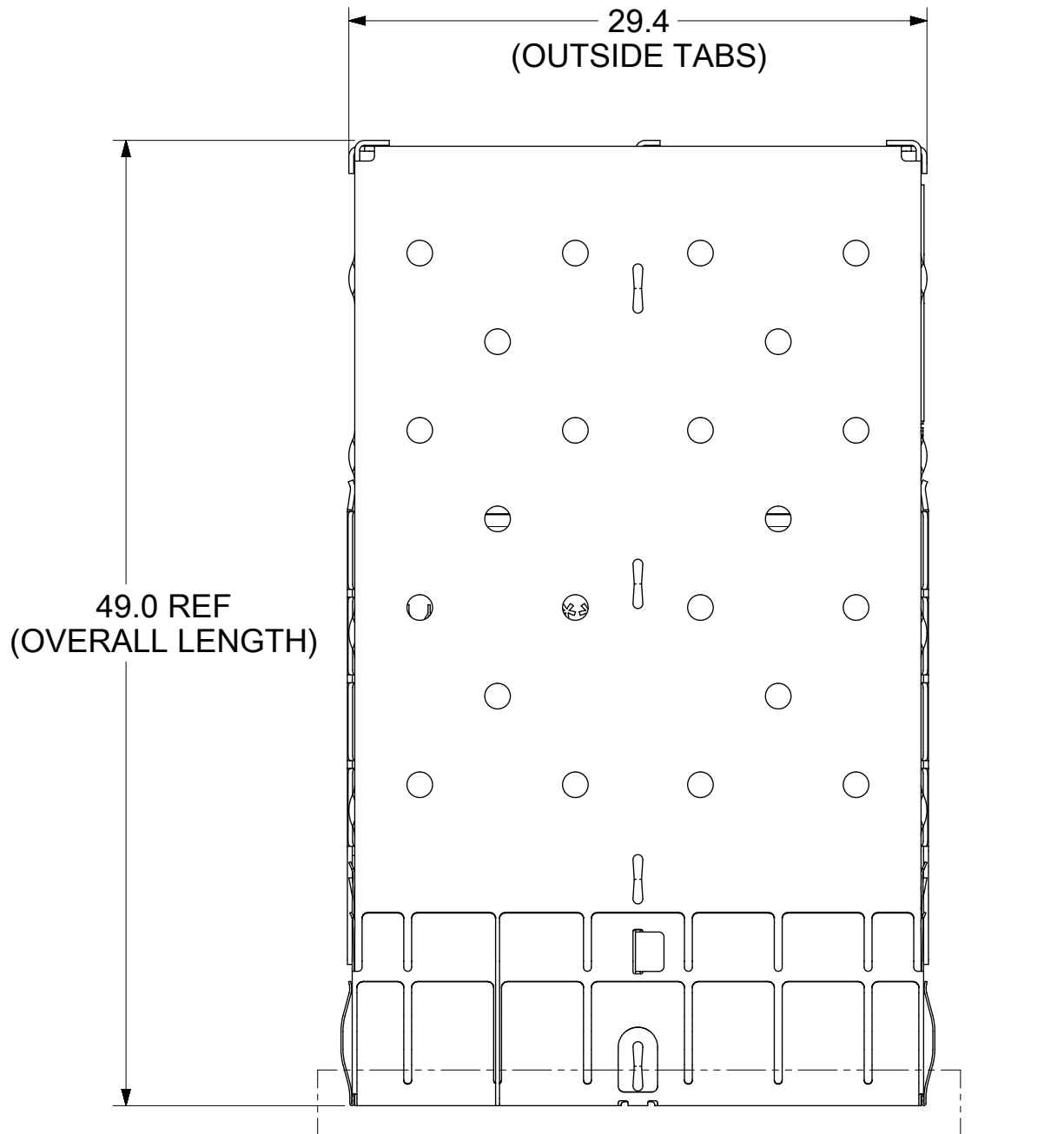


# BASE CAGE DETAILS

747540220



PN/DATE CODE TO BE PRINTED ON THE BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. FOR 74754 SERIES CAGE (747540247 NO NEED PRINTED)

- NOTES:
- MATERIAL:  
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.  
SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.  
HEATSINK: ALUMINUM, NICKEL PLATED.  
HEATSINK SPRING CLIP: STAINLESS STEEL.
  - PRESS FIT LEGS 3.05mm LONG
  - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS. THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS) AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.
  - WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
  - NO RoHS EXEMPTIONS.
  - CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

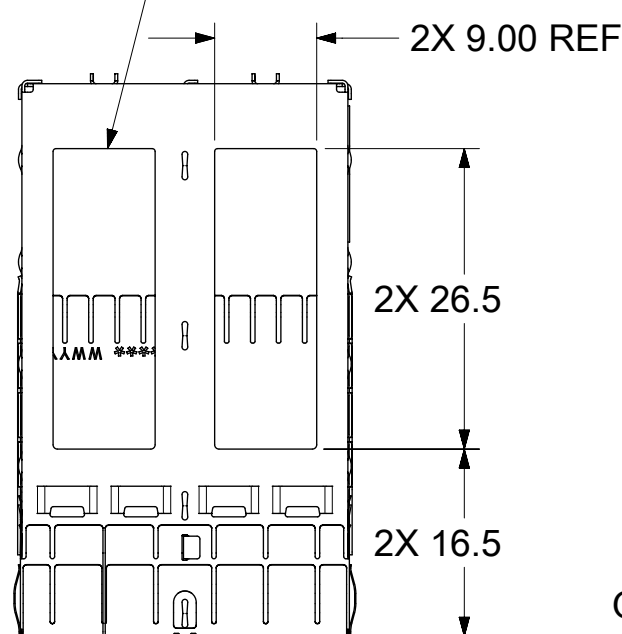
| WEEK/YEAR DATE CODE TABLE |   |
|---------------------------|---|
| WW                        | WEEK OF THE YEAR 01 THRU 52 (EXAMPLE:01= FIRST WEEK OF YEAR 52=LAST WEEK OF YEAR) |
| YY                        | 16, 17, 18 ETC. EXAMPLE: YEAR 2016 = 16   |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

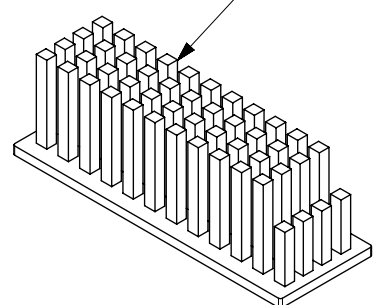
|  |                        |   |   |              |
|--|------------------------|---|---|--------------|
| DIMENSION UNITS                                      | SCALE                  | CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457. | <b>molex</b>  |              |
| mm   | 3:1                    |   |   |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |                        | EC NO: 680890   | SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SPRING FINGERS |              |
| ANGULAR TOL  | ± 1.0°                 | DRWN: SANTHN 2021/05/26                                   | PRODUCT CUSTOMER DRAWING  |              |
| 4 PLACES   | ±                      | CHK'D: GGA 2021/11/25                                     | DOCUMENT NUMBER   |              |
| 3 PLACES   | ±                      | APPR: GGA 2021/11/25                                      | 111122220   |              |
| 2 PLACES   | ± 0.13                 | INITIAL REVISION:   | DOC TYPE  | DOC PART     |
| 1 PLACE  | ± 0.25                 | DRWN: MKEMPEGOWDA 2016/04/13                              | PSD   | ASY          |
| 0 PLACES   | ±                      | APPR: RCHEN08 2016/08/04                                  | AS  | J3           |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING   | MATERIAL NUMBER   | CUSTOMER     |
|  |                        | C-SIZE  | SEE SHEET 3   |              |
|  |                        | SERIES  |   | SHEET NUMBER |
|  |                        | 111112  |   | 1 OF 7       |

# CAGE ASSEMBLY OPTIONS

OPEN TOP  
111120220  
SHOWN  
(APPLIES TO ALL  
OPEN TOP CAGES)



HEATSINK OPTIONS  
(2 PLC)  
CUSTOM

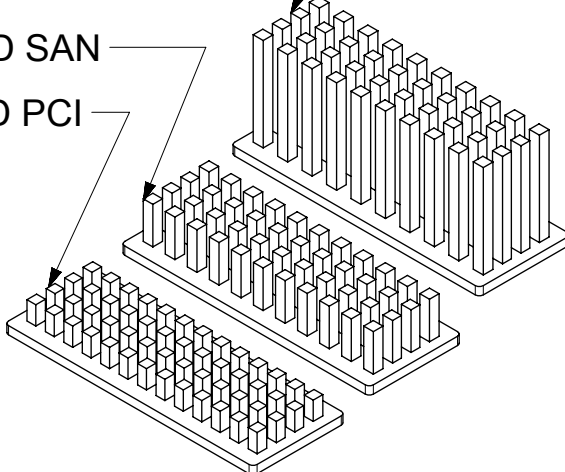


OVERALL HEATSINK HEIGHT

| STYLE  | DIM 'A' | DIM 'B' |
|--------|---------|---------|
| CUSTOM | 20.4    | 16.7    |

HEATSINK OPTIONS  
(2 PLC)

PIN FIELD NETWORKING  
PIN FIELD SAN  
PIN FIELD PCI



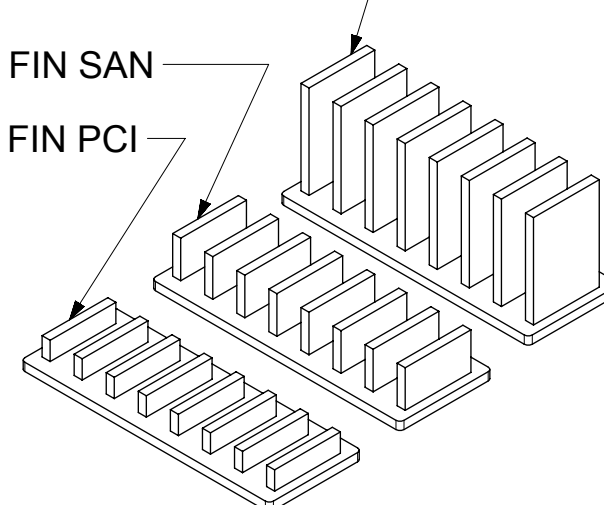
OVERALL HEATSINK HEIGHT

| APPLICATION | STYLE     | DIM 'A' |
|-------------|-----------|---------|
| PCI         | PIN FIELD | 14.3    |
| SAN         | PIN FIELD | 16.6    |
| NETWORKING  | PIN FIELD | 23.6    |

NOTE: PCI - 13 ROWS  
SAN - 11 ROWS  
NETWORKING - 10 ROWS

HEATSINK OPTIONS  
(2 PLC)

LATERAL FIN NETWORKING  
LATERAL FIN SAN  
LATERAL FIN PCI

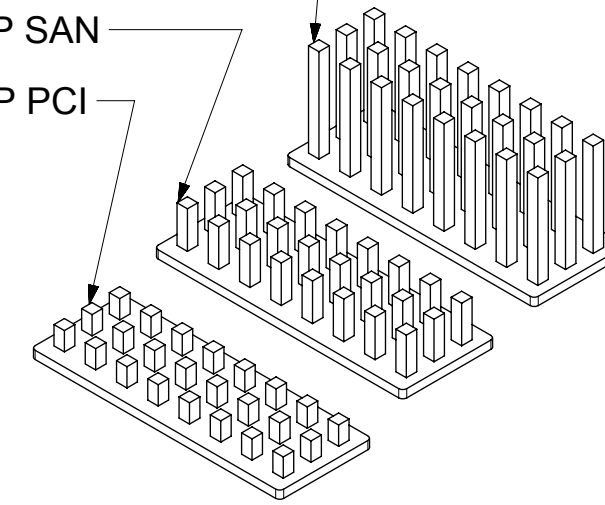


OVERALL HEATSINK HEIGHT

| APPLICATION | STYLE         | DIM 'A' |
|-------------|---------------|---------|
| PCI         | LATERAL FIELD | 14.3    |
| SAN         | LATERAL FIELD | 16.6    |
| NETWORKING  | LATERAL FIELD | 23.6    |

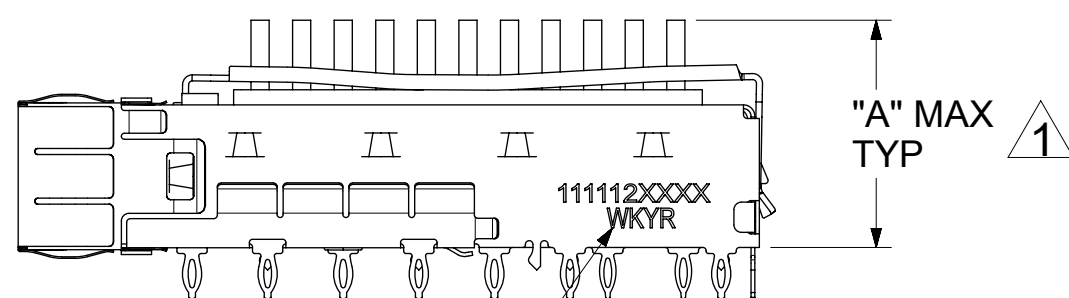
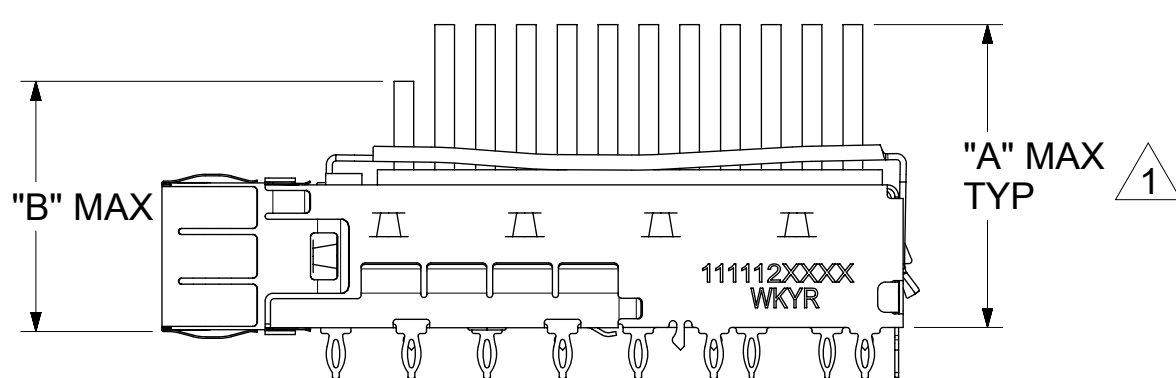
HEATSINK OPTIONS  
(2 PLC)

WIDE GAP NETWORKING  
WIDE GAP SAN  
WIDE GAP PCI



OVERALL HEATSINK HEIGHT

| APPLICATION | STYLE        | DIM 'A' |
|-------------|--------------|---------|
| PCI         | WIDE GAP PIN | 14.3    |
| SAN         | WIDE GAP PIN | 16.6    |
| NETWORKING  | WIDE GAP PIN | 23.6    |

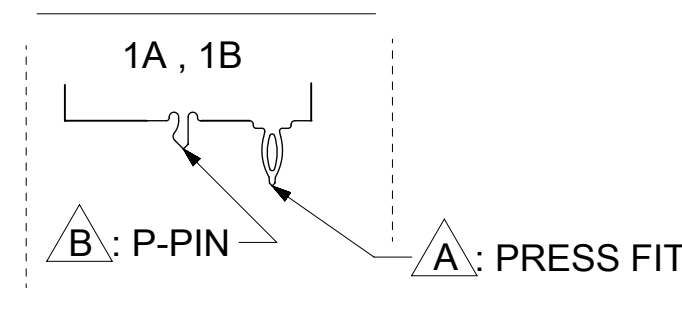


PN/DATE CODE TO BE PRINTED ON THE SIDE OF  
COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.  
FOR 11112 SERIES CAGES

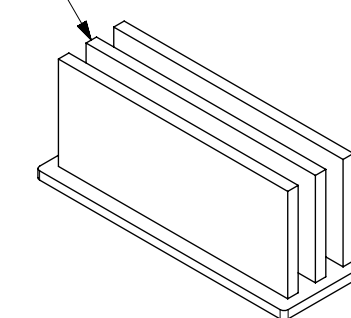
| WEEK/YEAR DATE CODE TABLE |  |
|---------------------------|--|
| WW                        | 01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR |
| YY                        | 16, 17, 18 ETC. EXAMPLE: YEAR 2016 = 16                                  |

WITH MODULE INSERTED, DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS

REAR LEG OPTIONS  
(PER PORT)



HEATSINK OPTIONS  
CUSTOM FIN



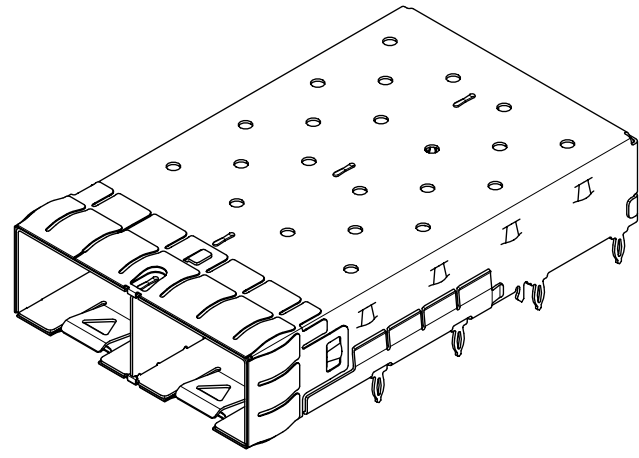
OVERALL HEATSINK HEIGHT

| APPLICATION | DIM 'A' |
|-------------|---------|
| CUSTOM      | 23.6    |

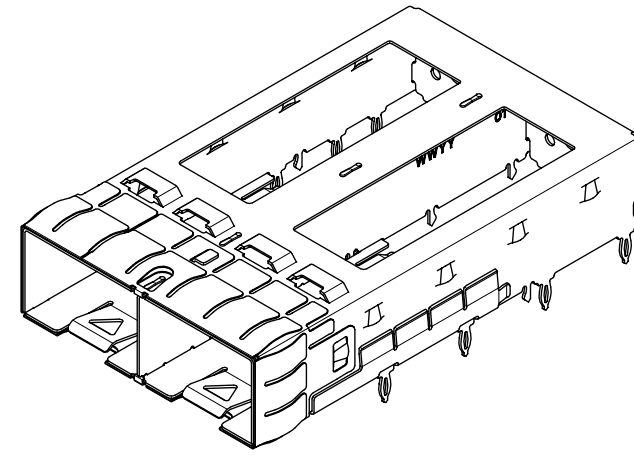
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|  |                        |   |                          |          |              |
|--|------------------------|---|--------------------------|----------|--------------|
| DIMENSION UNITS<br><b>mm</b>                               | SCALE<br><b>1.5:1</b>  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#509457.                  | <b>molex</b>             |          |              |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                        | EC NO: 680890   |                          |          |              |
| ANGULAR TOL ± 1.0°   | 4 PLACES ±             | DRWN: SANTHN 2021/05/26   | PRODUCT CUSTOMER DRAWING |          |              |
| 3 PLACES ±   | 2 PLACES ± 0.13        | CHK'D: GGA 2021/11/25   | DOCUMENT NUMBER          |          |              |
| 1 PLACE ± 0.25   | 0 PLACES ±             | APPR: GGA 2021/11/25  | 111122220                |          |              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | INITIAL REVISION:<br>DRWN: MKEMPEGOWDA 2016/04/13<br>APPR: RCHEN08 2016/08/04 | DOC TYPE                 | DOC PART | REVISION     |
|  | DRAWING                | SERIES  | MATERIAL NUMBER          | CUSTOMER | SHEET NUMBER |
|  | C-SIZE                 | 111112  | SEE SHEET 3              |          | 2 OF 7       |

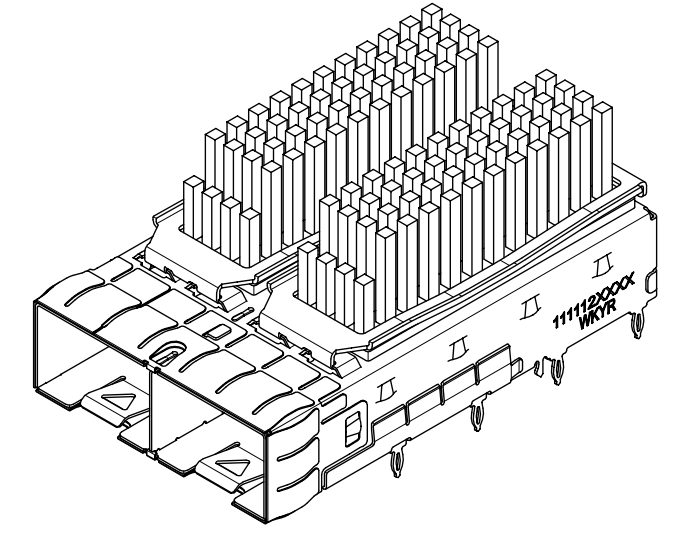
# PART NUMBER SELECTION



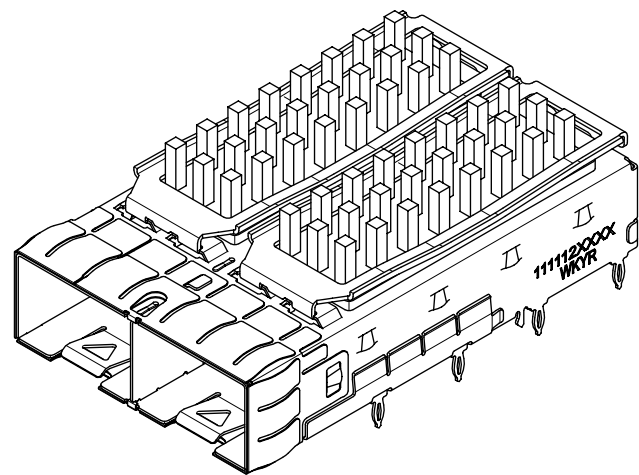
| SFP+ CLOSED TOP BASE CAGE |  |
|---------------------------|--|
| PART NO.                  | DESCRIPTION                                |
| 747540220                 | SFP FOOTPRINT (STD B TO B), 5 WELD POINTS  |
| 747540222                 | SFP FOOTPRINT (STD B TO B), 16 WELD POINTS |
| 747540247                 | SAME AS ABOVE BUT NO PN/DATE CODE PRINTED  |




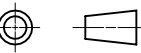
| SFP+ OPEN TOP BASE CAGE FOR HEATSINK |             |
|--------------------------------------|-------------|
| PART NO.                             | DESCRIPTION |
| 1111120220                           |             |



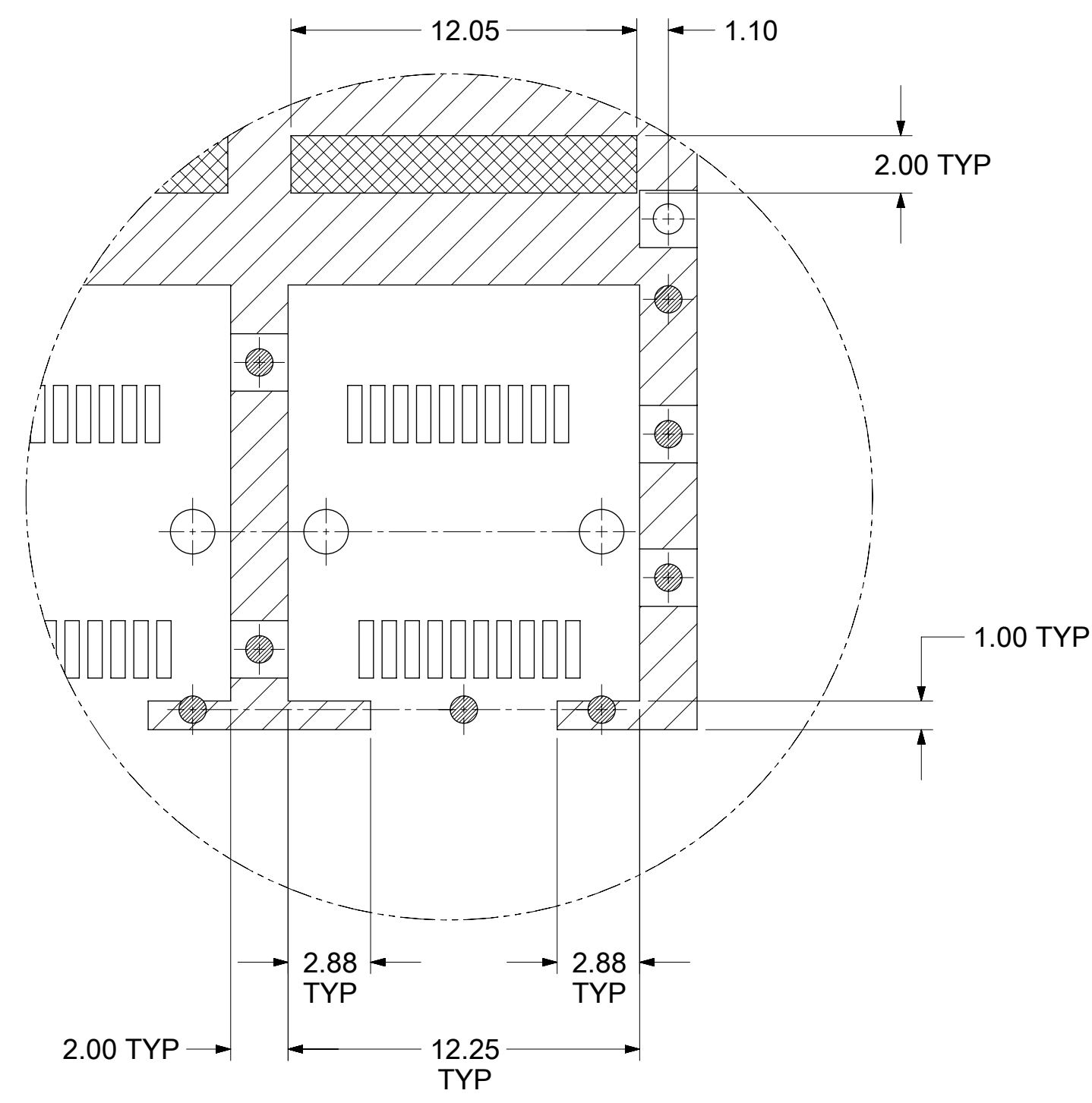
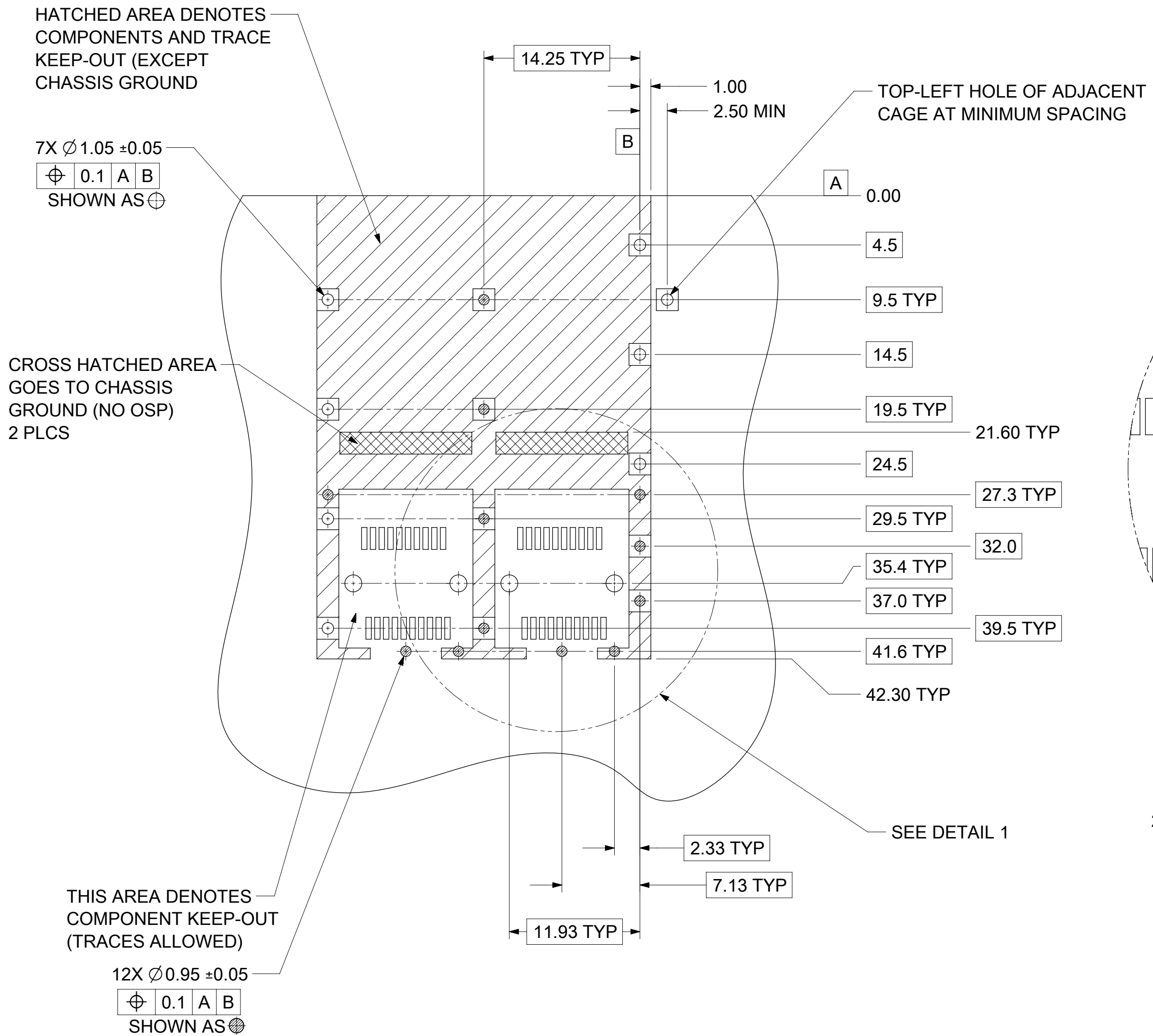
| SFP+ CUSTOM HEATSINK OPTION |             |
|-----------------------------|-------------|
| PART NO.                    | DESCRIPTION |
| 1111120226                  |             |



| SFP+ LATERAL FIN HEATSINK OPTION |             |
|----------------------------------|-------------|
| PART NO.                         | APPLICATION |
| 1111127220                       | PCI         |

|   |        |   |         |        |  |  |              |  |  |
|---|--------|---|---------|--------|--|--|--------------|--|--|
| 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: OBSOLETE PART NUMBER AS PER PCN#509457.                             |         |        |  <p>SFP+ 1X2 CAGE, 3.05 MM<br/>PRESS FIT, HEAT SINK, EMI SPRING FINGERS</p> |  |              |  |  |
| mm  | 1.25:1 |   |         |        |  |  |              |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        | EC NO: 680890   |         |        | PRODUCT CUSTOMER DRAWING   |  |              |  |  |
| ANGULAR TOL   | ± 1.0° | DRWN: SANTHN 2021/05/26   |         |        | DOCUMENT NUMBER  |  |              |  |  |
| 4 PLACES  | ±      | CHK'D: GGA 2021/11/25   |         |        | 1111122220   |  |              |  |  |
| 3 PLACES  | ±      | APPR: GGA 2021/11/25  |         |        | PSD ASY J3   |  |              |  |  |
| 2 PLACES  | ± 0.13 | INITIAL REVISION:   |         |        | MATERIAL NUMBER  |  |              |  |  |
| 1 PLACE   | ± 0.25 | DRWN: MKEMPEGOWDA 2016/04/13  |         |        | SEE SHEET 3  |  |              |  |  |
| 0 PLACES  | ±      | APPR: RCHEN08 2016/08/04  |         |        | CUSTOMER   |  |              |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | THIRD ANGLE PROJECTION  | DRAWING | SERIES | SHEET NUMBER   |  | SHEET NUMBER |  |  |
|   |        |  | C-SIZE  | 111112 | 3 OF 7   |  | 3 OF 7       |  |  |

# PCB LAYOUT - SINGLE SIDE ONLY

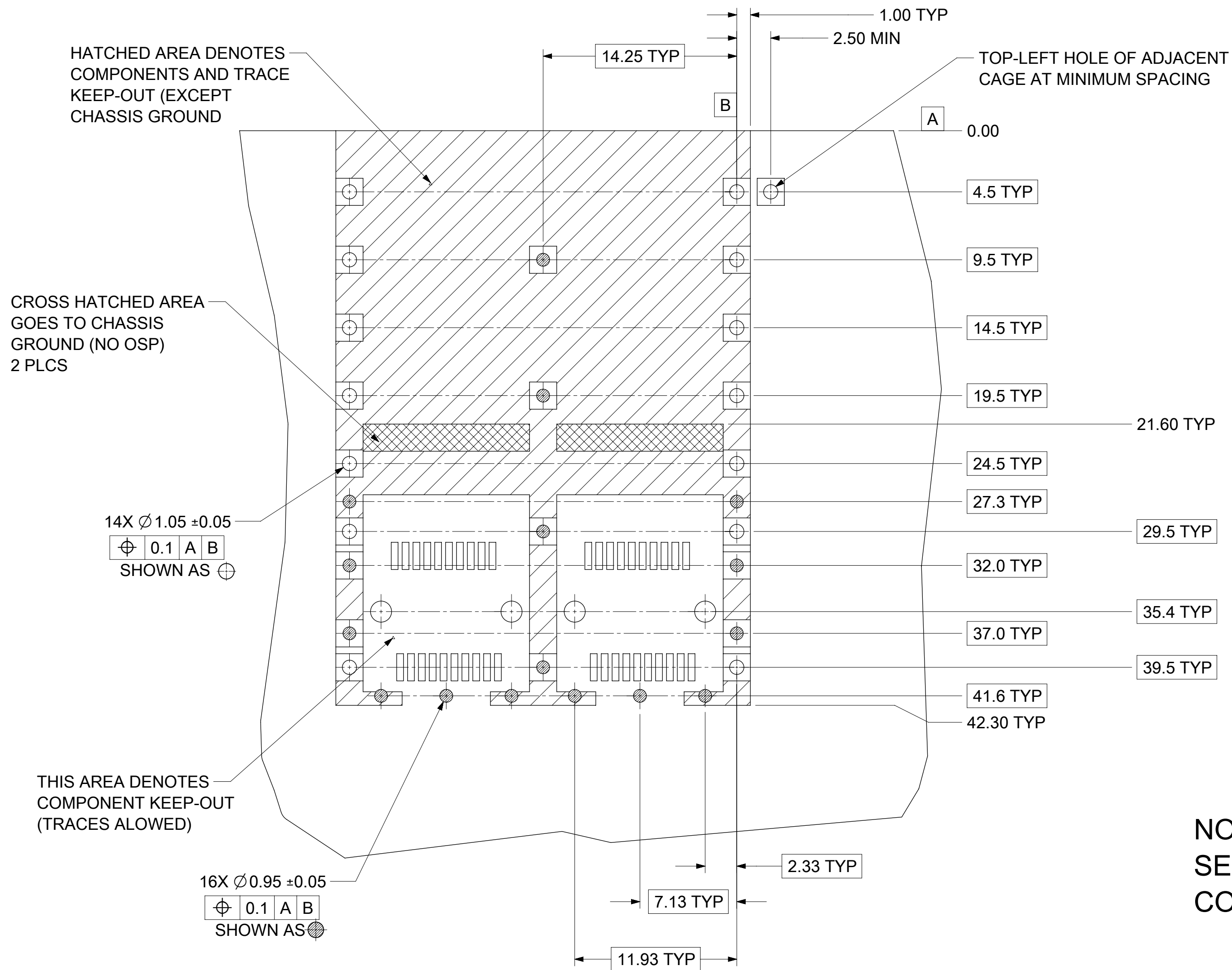


DETAIL 1  
SCALE 5:1

- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND  
RECOMMEND 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 SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
  4. SPACING BETWEEN PORTS IS 14.25mm
  5. 1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

|   |  |                                     |  |   |  |                                     |  |                                |  |  |  |
|---|--|-------------------------------------|--|---|--|-------------------------------------|--|--------------------------------|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                     |  |   |  |                                     |  |                                |  |  |  |
| DIMENSION UNITS<br><b>mm</b>  |  | SCALE<br><b>1:1</b>                 |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#509457.                              |  |                                     |  | <b>molex</b>                   |  | SFP+ 1X2 CAGE, 3.05 MM<br>PRESS FIT, HEAT SINK, EMI SPRING FINGERS |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)  |  | ANGULAR TOL ± 1.0°                  |  | EC NO: 680890<br>DRWN: SANTHN 2021/05/26<br>CHK'D: GGA 2021/11/25<br>APPR: GGA 2021/11/25 |  |                                     |  |                                |  |  |  |
| 4 PLACES ±  |  | 3 PLACES ±                          |  | 2 PLACES ± 0.13   |  | 1 PLACE ± 0.25                      |  | 0 PLACES ±                     |  | PRODUCT CUSTOMER DRAWING   |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION              |  | DRAWING<br><b>C-SIZE</b>  |  | SERIES<br><b>111112</b>             |  | MATERIAL NUMBER<br>SEE SHEET 3 |  | CUSTOMER   |  |
| DOCUMENT STATUS<br>P1   |  | RELEASE DATE<br>2021/11/25 12:19:23 |  | INITIAL REVISION:<br>DRWN: MKEMPEGOWDA 2016/04/13<br>APPR: RCHEN08 2016/08/04             |  | DOCUMENT NUMBER<br><b>111122220</b> |  | DOC TYPE<br>PSD                |  | DOC PART<br>ASY  |  |
|   |  |                                     |  |   |  |                                     |  | SHEET NUMBER<br>4 OF 7         |  | REVISION<br><b>J3</b>  |  |

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



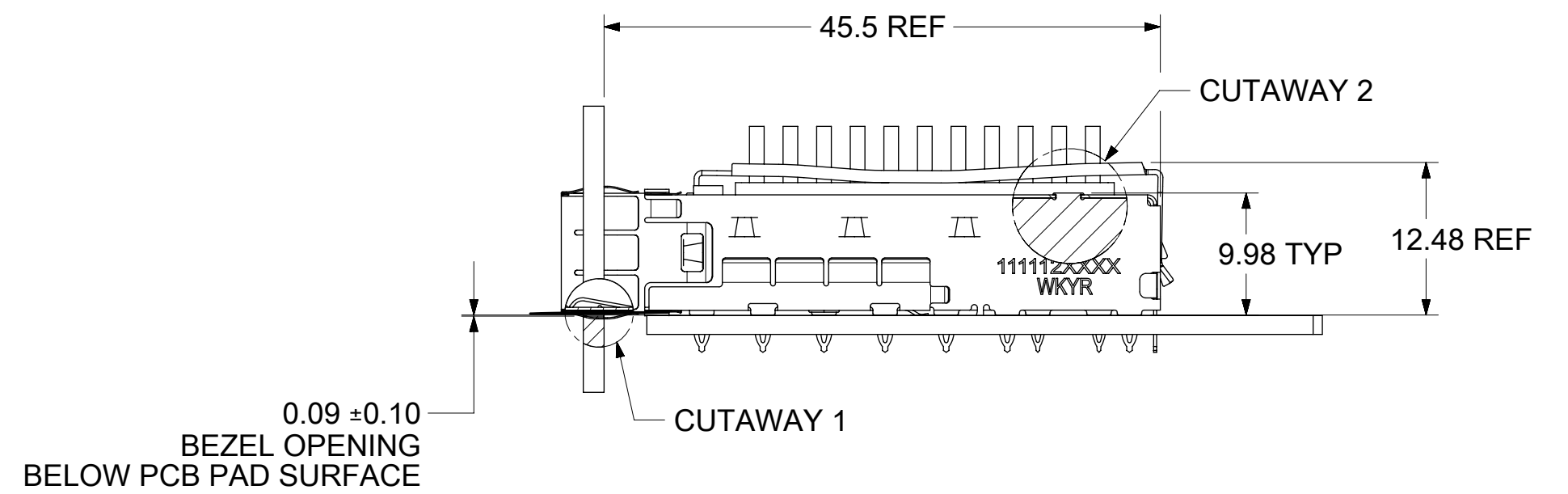
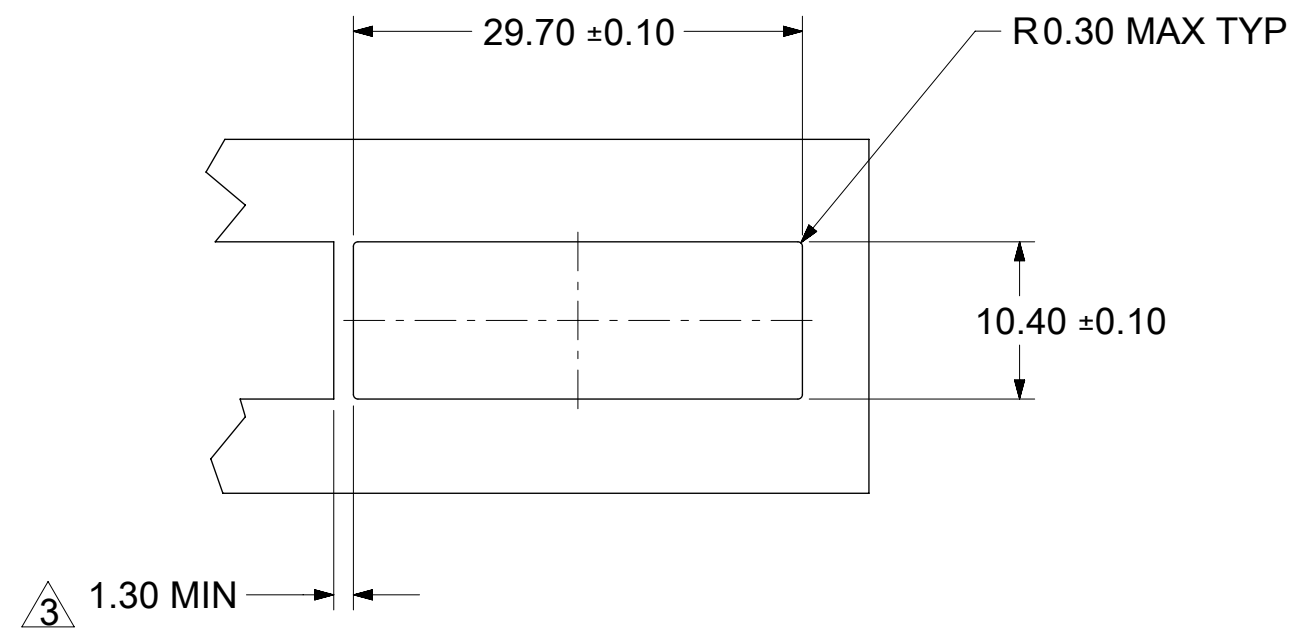
**NOTE:**  
 SEE SHEET 4 FOR HOST CONNECTOR DETAIL

**NOTES:**

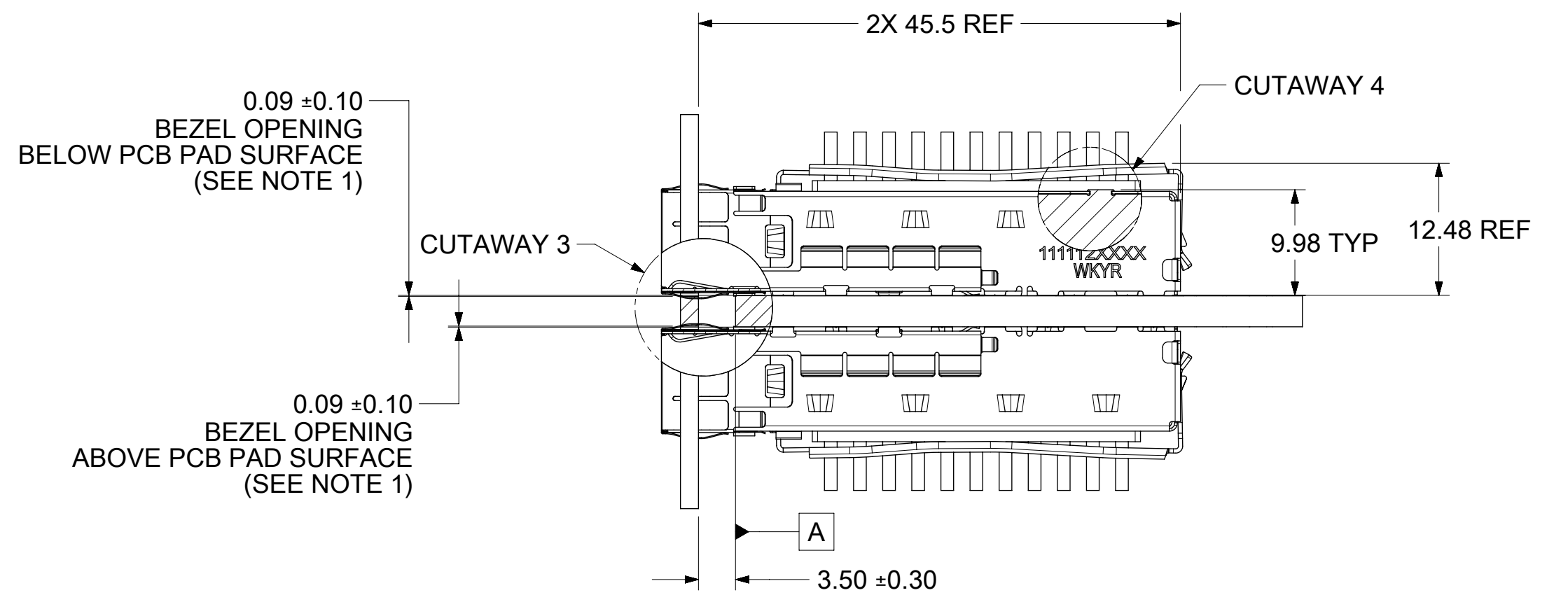
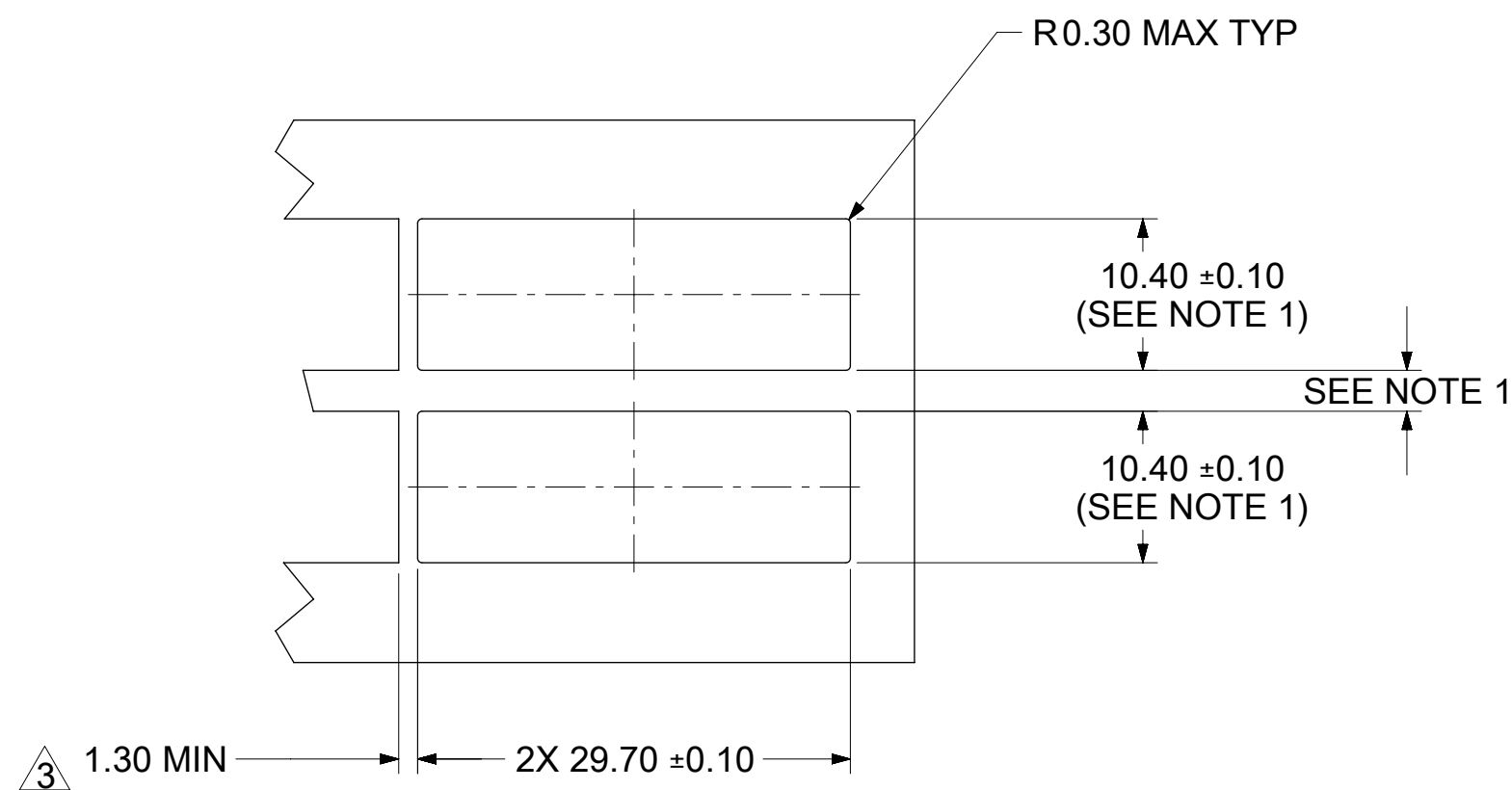
1. PADS AND VIAS CONNECT TO CHASSIS GROUND  
 RECOMMEND PADS TO BE 2.00mm SQUARE
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. SPACING BETWEEN PORTS IS 14.25mm
5. 3.00mm [.118 INCH] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.

|   |  |  |  |  |  |                                     |  |   |  |
|---|--|--|--|--|--|-------------------------------------|--|---|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |  |  |  |                                     |  |   |  |
| DIMENSION UNITS<br><b>mm</b>  |  | SCALE<br><b>4:1</b>                        |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#509457. |  |                                     |  | <b>molex</b>                                    |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)  |  | ANGULAR TOL ± 1.0°                         |  | EC NO: 680890  |  |                                     |  |   |  |
| 4 PLACES ±  |  | 3 PLACES ±                                 |  | 2 PLACES ± 0.13  |  | 1 PLACE ± 0.25                      |  | 0 PLACES ±                                      |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION                     |  | DRAWING<br><b>C-SIZE</b>                                     |  | SERIES<br><b>111112</b>             |  | MATERIAL NUMBER<br>SEE SHEET 3                  |  |
| DOCUMENT STATUS<br><b>P1</b>  |  | RELEASE DATE<br><b>2021/11/25 12:19:23</b> |  | DRWN: SANTHN<br>2021/05/26                                   |  | CHK'D: GGA<br>2021/11/25            |  | APPR: GGA<br>2021/11/25                         |  |
| INITIAL REVISION:   |  | DRWN: MKEMPEGOWDA<br>2016/04/13            |  | APPR: RCHEN08<br>2016/08/04                                  |  | DOCUMENT NUMBER<br><b>111122220</b> |  | DOC TYPE DOC PART REVISION<br><b>PSD ASY J3</b> |  |
| SHEET NUMBER<br><b>5 OF 7</b>   |  | CUSTOMER                                   |  | SERIES   |  | MATERIAL NUMBER                     |  | CUSTOMER  |  |

## BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (SPRING FINGER)



## BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (SPRING FINGER)



- NOTE:**
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING SIZE AND LOCATION.
  2. CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB.
  3. THIS DIMENSION IS FOR REF ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION. HOLE OF ADJACENT CAGE ON PCB LAYOUT VARIES ON MODIFICATION.

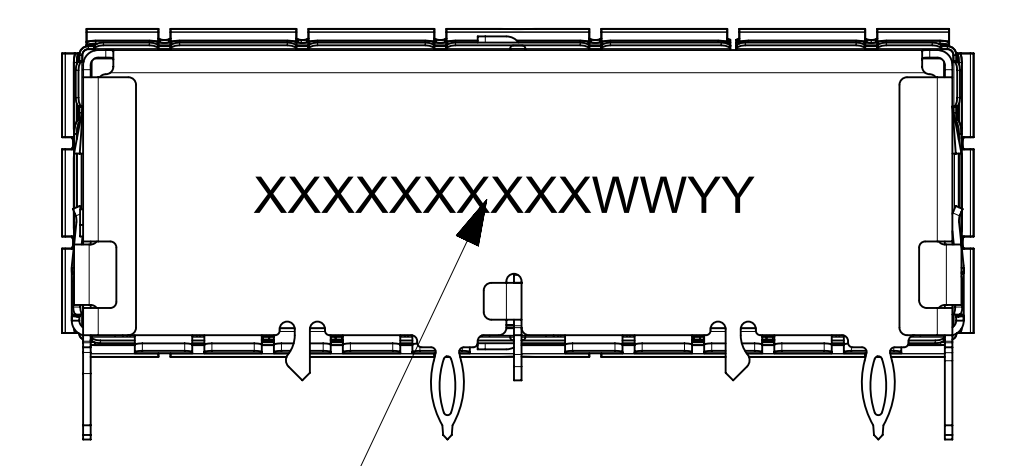
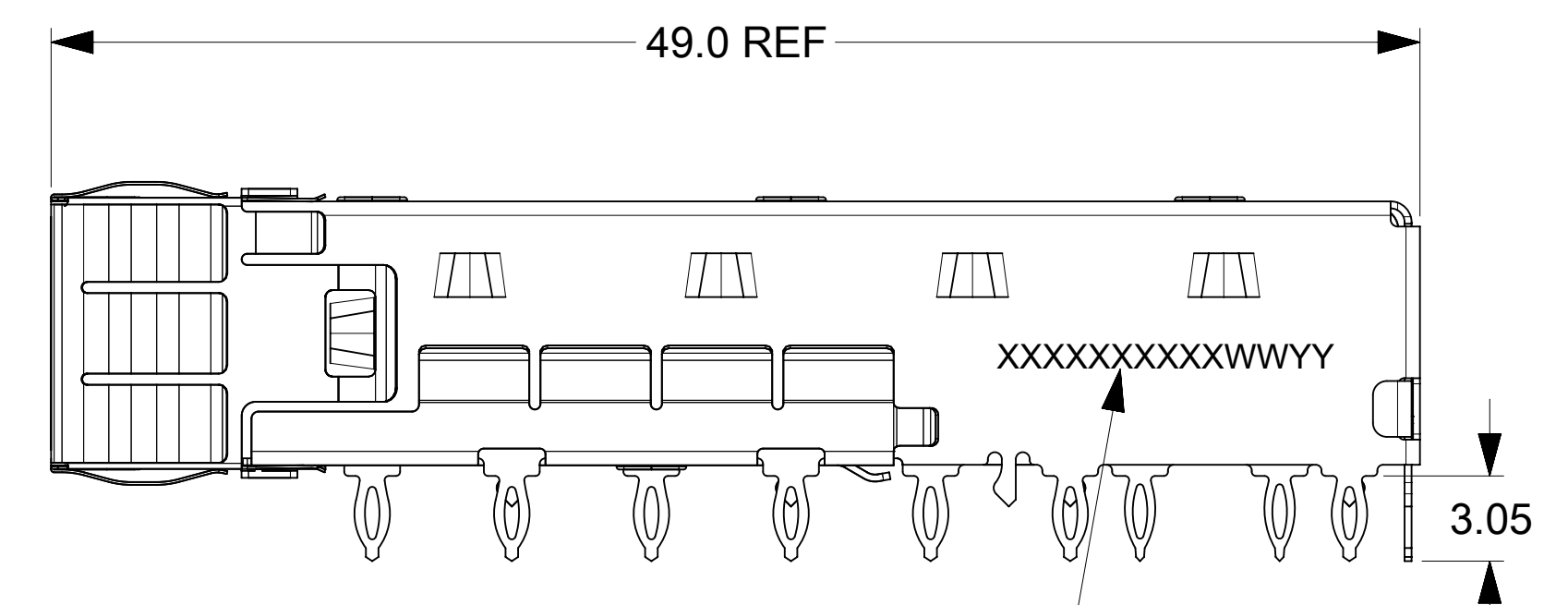
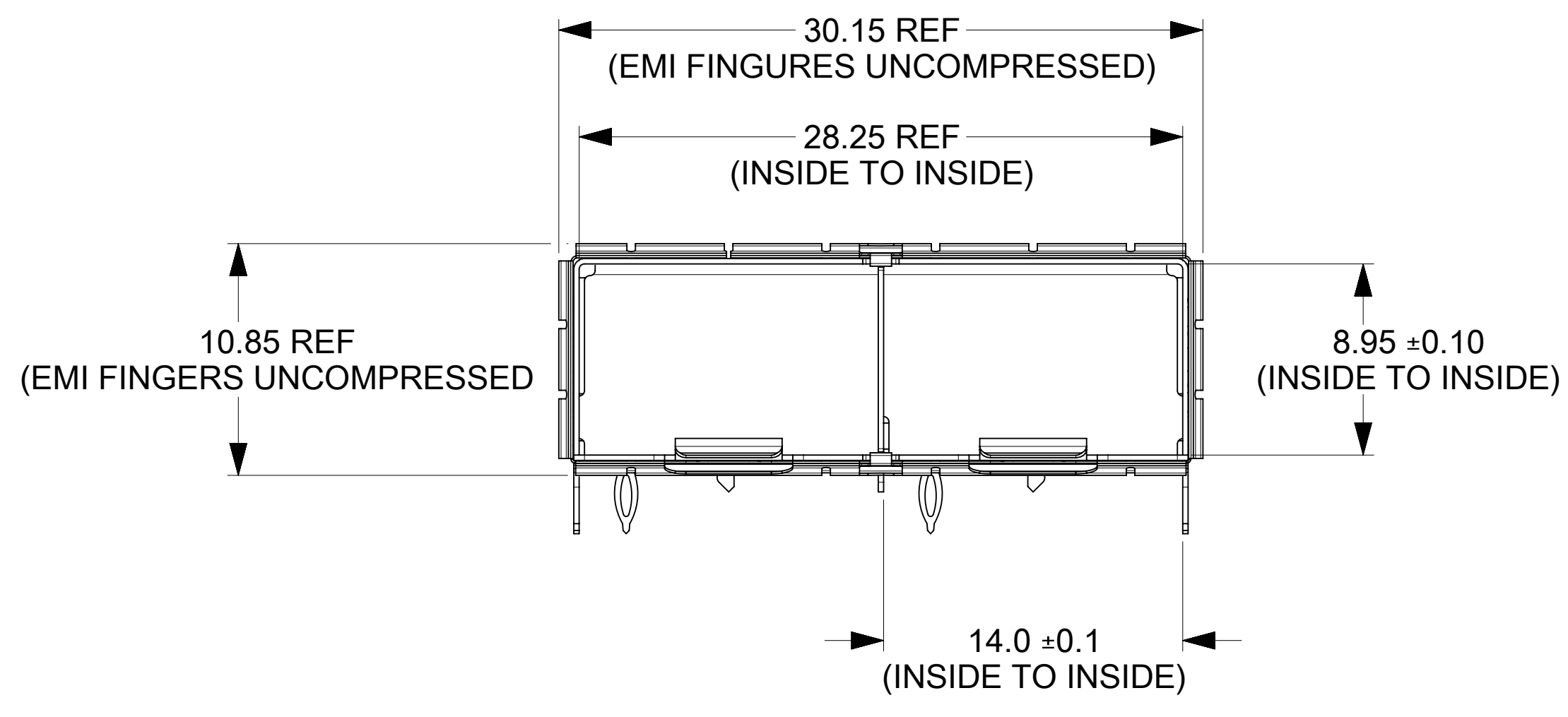
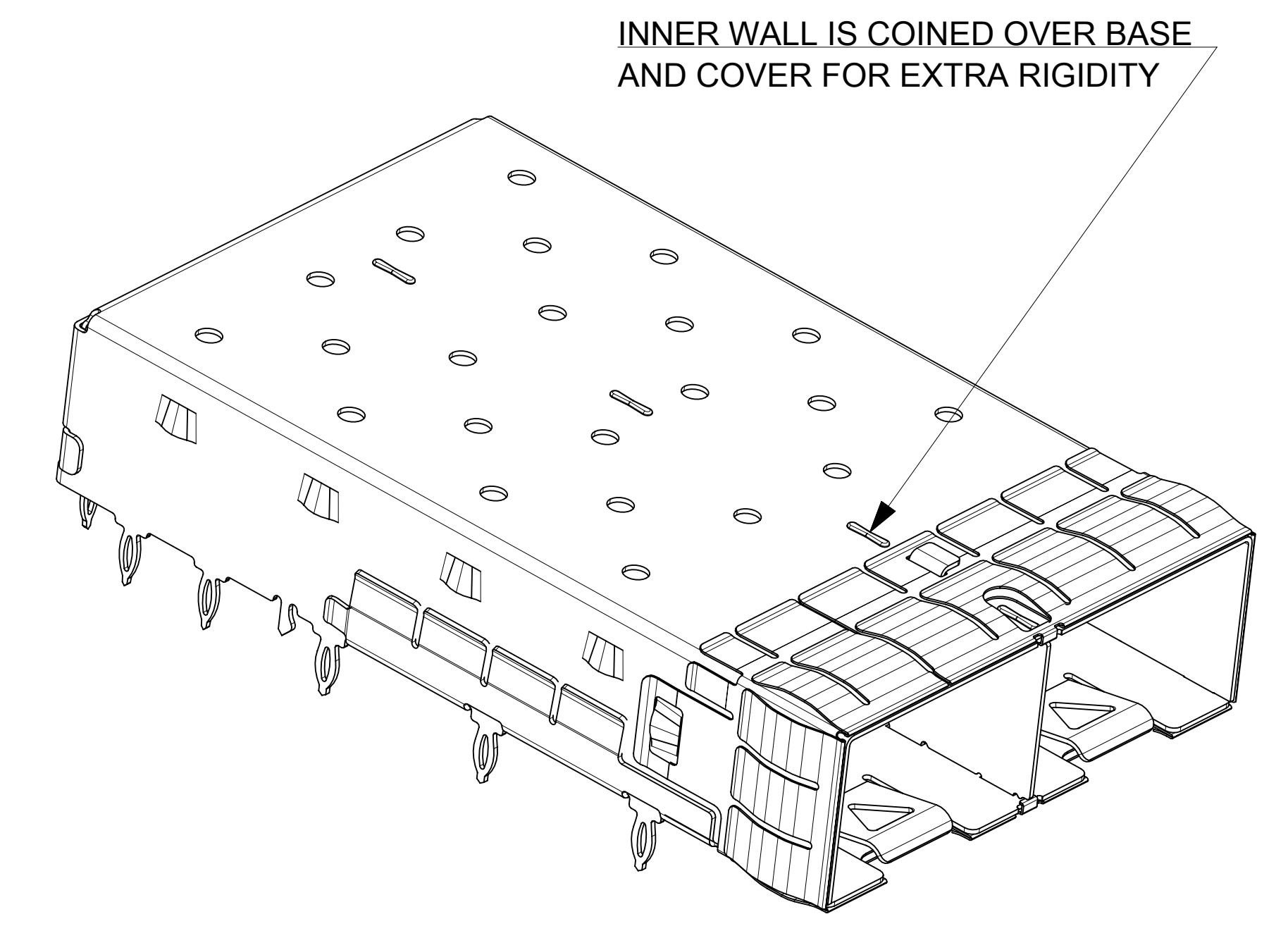
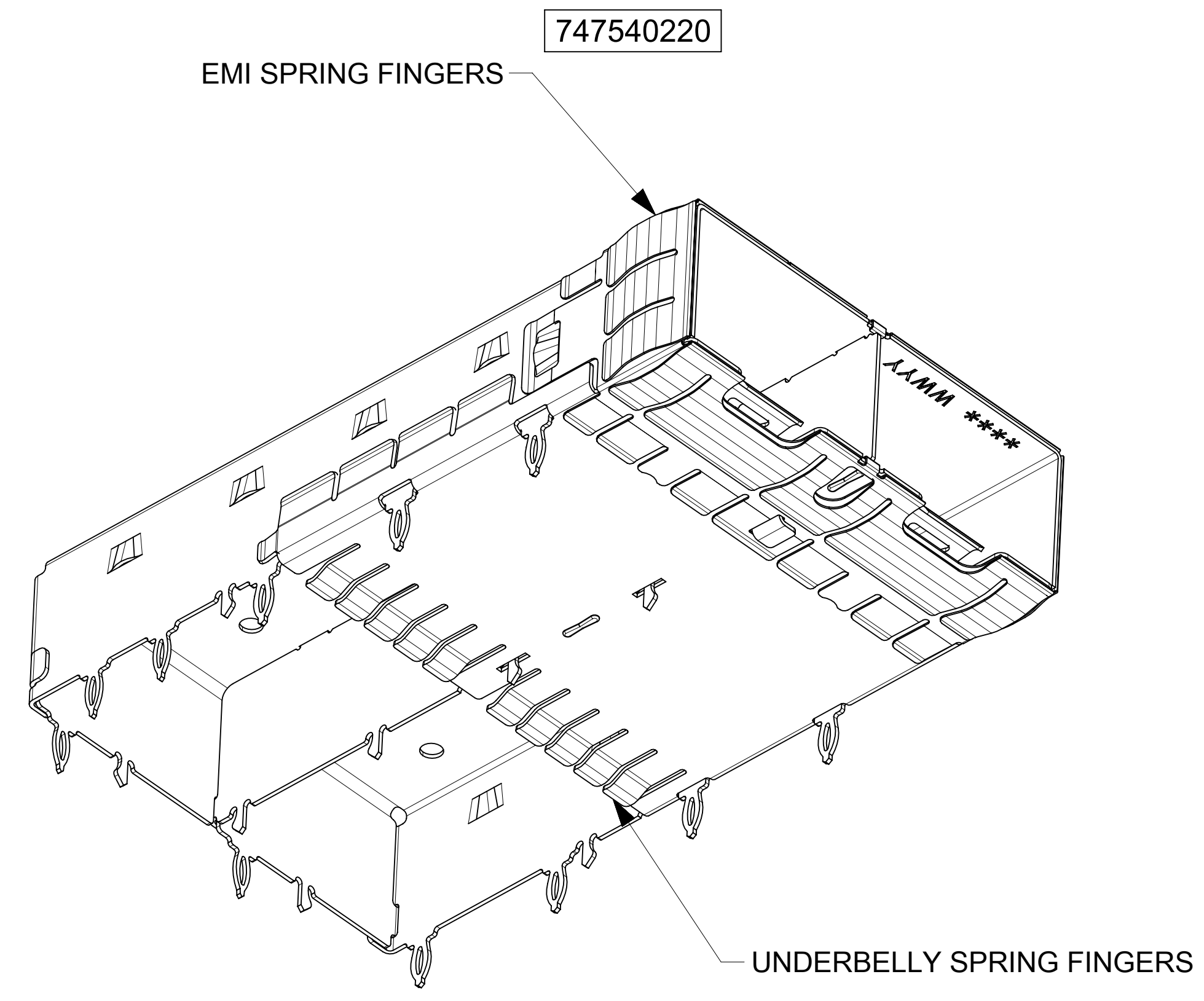
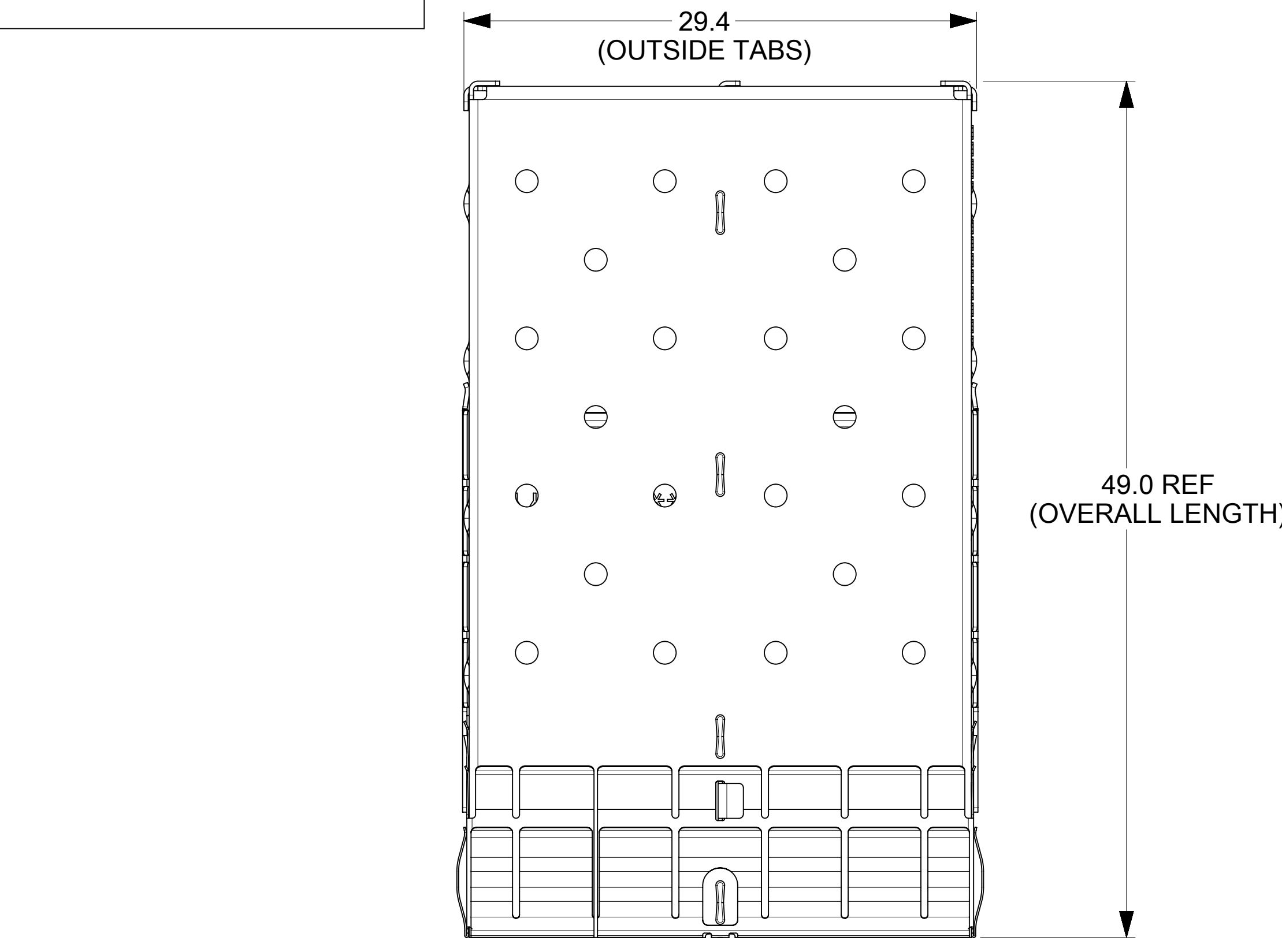
|   |  |        |  |  |  |          |  |                              |  |
|---|--|--------|--|--|--|----------|--|------------------------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |  |  |          |  |                              |  |
| DIMENSION UNITS   |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.                        |  |          |  |                              |  |
| mm  |  | 2:1    |  | <b>molex</b>   |  |          |  |                              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |        |  |  |  |          |  |                              |  |
| ANGULAR TOL   |  | ± 1.0° |  | SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SPRING FINGERS                  |  |          |  |                              |  |
| 4 PLACES  |  | ±      |  |  |  |          |  |                              |  |
| 3 PLACES  |  | ±      |  | PRODUCT CUSTOMER DRAWING   |  |          |  |                              |  |
| 2 PLACES  |  | ± 0.13 |  |  |  |          |  |                              |  |
| 1 PLACE   |  | ± 0.25 |  | DOCUMENT NUMBER: <b>111122220</b>   DOC TYPE: PSD   DOC PART: ASY   REVISION: J3 |  |          |  |                              |  |
| 0 PLACES  |  | ±      |  |  |  |          |  |                              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |        |  | THIRD ANGLE PROJECTION   |  | DRAWING  |  | SERIES                       |  |
|   |  |        |  | C-SIZE   |  | 111112   |  | MATERIAL NUMBER: SEE SHEET 3 |  |
| DOCUMENT STATUS: P1   |  |        |  | RELEASE DATE: 2021/11/25 12:19:23  |  | CUSTOMER |  | SHEET NUMBER: 6 OF 7         |  |

| REV | DATE       | DESCRIPTION   |
|-----|------------|---|
| A   | 2011/06/10 | INITIAL RELEASE   |
| A1  | 2011/06/15 | SHEET 1: REMOVED HEATSINK OPENING REFERENCE DIMENSIONS AND WEEK 52 REFERENCE;<br>SHEET 4: ADDED NOTES POINTING TO THE INNER WALL COINED OVER THE COVER.   |
| B   | 2011/07/22 | ADDED HOLES IN CAGE FOR LIGHTPIPES; MOVED DATE CODE; REVISED ROHS NOTE 5; CHANGED HEATSINK HEIGHT FROM 8.63 TO 6.5; TABULARIZED PCI, SAN, AND NETWORKING; AND ADDED HEATSINK HEIGHT WITH MODULE INSERTED.   |
| B1  | 2011/08/19 | UPDATED CAGE AND SPRING CLIP MODELS.  |
| C   | 2012/10/25 | SHEET 1: REMOVED HEATSINKS, AND ALL DIMS AND ANNOTATIONS RELATING TO THEM, FROM ALL VIEWS;<br>REMOVED NOTE 6; REMOVED EXPLODED VIEW; REMOVED PART NUMBER TABLE; ADDED TITLE.<br>NEW SHEET 2: ISO VIEWS OF CAGE WITH NO HEATSINKS AND VIEWS WITH EACH OF FOUR TYPES AND SIZES OF HEATSINK; ANNOTATIONS ON EACH VIEW INDICATING EACH HEATSINK TYPE AND SIZE; RIGHT SIDE VIEW WITH DIM OF HEATSINK HEIGHT; TABLE UNDER EACH VIEW WITH HEATSINK SIZES AND DIMS; NOTE 1; SHEET TITLE.<br>NEW SHEET 3: ISO VIEWS OF CAGE WITH NO HEATSINKS AND VIEWS WITH EACH OF FOUR DIFFERENT TYPES OF HEATSINK; TABLES UNDER EACH VIEW WITH PART NUMBERS OF EACH SIZE; SHEET TITLE. |
| D   | 2014/02/07 | SHEET 1: REVISED ALL BASE CAGE DETAILS AND VIEWS FROM 111112-0232 TO 74754-0220. REMOVED INSERTION FORCE INTO PCB FROM NOTE 2. REVISED NOTE 4: "WAS" WELD SPOT WILL SHOW SLIGHT MATERIAL DISCOLORATION. "NOW READS" WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.<br>SHEET 2: REVISED ALL HEAT SINK CAGE ASSEMBLY OPTIONS.<br>ADDED OPEN TOP VIEW WITH DIMENSIONS, AND REAR LEG OPTION VIEW.<br>SHEET 3: ADDED SHEET 3 WITH ZSFP+ OPTIONS<br>SHEET 4: ADDED PART NUMBERS 747540220, 1001130220. UPDATED TITLE BLOCK.  |
| E   | 2014/08/13 | SHEET 1: ADDED "REF" TO DIM 10.85 AND 28.25. ADDED 14.0 ±0.1.<br>MOVED "MINIMUM PCB THICKNESS" NOTES FROM SHEET 1 TO SHEETS 5 AND 6.  |
| F   | 2014/08/21 | SHEET 1: ADDED 747540247 NO NEED PRINTED @C6.<br>SHEET 1: ADDED P/N AND DATE CODE PRINTED NOTE @D11.<br>SHEET 4: ADDED P/N 747540247 IN TABLE @I18.   |
| G   | 2015/02/26 | SHEET 3: ADDED NOTE 1 "UNDER BELLY GASKET IS UL94 V-0 RATED."<br>SHEET 4: ADDED "5 WELD POINTS" INTO 747540220 @I17.<br>SHEET 4: ADDED P/N 747540222 @I17.<br>SHEET 7: ADDED NOTE 2 "CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB."  |
| H   | 2015/08/26 | SHEET 2: E3 : ADDED NEW CUSTOM FIN HEATSINK ISO VIEW<br>SHEET 4: E3 : ADDED PART NO. 111112-6221 ISO VIEW<br>MODIFIED PCB LAYOUT PER SFF-8433<br>SHEET 5: K19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1<br>D17 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1<br>SHEET 6: G19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1<br>B18 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1   |
| J   | 2016/06/28 | REMASTERED FROM SD-111112-2220 REV H TO "1111122220 REV_J" NX<br>SHEET 2: E10: CHANGED THE PN /DATE CODE STYLE FROM 1 ROW TO 2 ROWS<br>SHEET 7: A19:ADDED A NOTE "THIS DIM IS FOR REF ONLY. USER CAN MODIFY IT DEPENDS ON APPLICATION.HOLE OF ADJACENT CAGE ON PCB LAYOUT VARIES BASED ON MODIFICATION."<br>SEPARATED ZSFP+ SERIES TO 1001130220 PSD ASY  |
| J2  | 2016/12/16 | SHEET 4/5: CORRECTED TYPO TO UPDATE PCB VIEW  |
| J3  | 2021/09/22 | OBSOLETED PART NUMBERS 1111121220, 1111122220, 1111123220, 1111124220, 1111125220, 1111126220, 1111126221, 1111128220, 1111129220.<br>SHEET 4: E07: ADDED DIMENSION 35.4 TYP.   |

|   |        |  |  |  |   |  |  |  |  |
|---|--------|--|--|--|---|--|--|--|--|
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| DIMENSION UNITS   | SCALE  | CURRENT REV DESC: OBSOLETED PART NUMBER AS PER PCN#509457. |  |  | <b>molex</b>  |  |  |  |  |
| mm  | 1:1    |  |  |  |   |  |  |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        |  |  |  | SFP+ 1X2 CAGE, 3.05 MM PRESS FIT, HEAT SINK, EMI SPRING FINGERS |  |  |  |  |
| ANGULAR TOL   | ± 1.0° | EC NO: 680890  |  |  | PRODUCT CUSTOMER DRAWING  |  |  |  |  |
| 4 PLACES  | ±      | DRWN: SANTHN 2021/05/26                                    |  |  | DOCUMENT NUMBER   |  |  |  |  |
| 3 PLACES  | ±      | CHK'D: GGA 2021/11/25                                      |  |  | 1111122220  |  |  |  |  |
| 2 PLACES  | ± 0.13 | APPR: GGA 2021/11/25                                       |  |  | PSD ASY J3  |  |  |  |  |
| 1 PLACE   | ± 0.25 | INITIAL REVISION:  |  |  | DOC TYPE DOC PART REVISION                                      |  |  |  |  |
| 0 PLACES  | ±      | DRWN: MKEMPEGOWDA 2016/04/13                               |  |  |   |  |  |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        | APPR: RCHEN08 2016/08/04                                   |  |  | MATERIAL NUMBER CUSTOMER SHEET NUMBER                           |  |  |  |  |
|   |        | THIRD ANGLE PROJECTION                                     |  |  | SEE SHEET 3 7 OF 7  |  |  |  |  |
|   |        | DRAWING SERIES   |  |  | C-SIZE 111112   |  |  |  |  |

|                 |    |              |                     |
|-----------------|----|--------------|---------------------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/11/25 12:19:23 |
|-----------------|----|--------------|---------------------|

BASE CAGE DETAILS



PN/DATE CODE TO BE PRINTED IN APPROXIMATE AREA AS SHOWN. FOR 111112 SERIES CAGE

PN/DATE CODE TO BE PRINTED ON THE BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN. FOR 74754 AND 100113 SERIES CAGE (747540247 NO NEED PRINTED)

NOTES:

- MATERIAL:
  - CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
  - SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.
  - HEATSINK: ALUMINUM, NICKEL PLATED.
  - HEATSINK SPRING CLIP: STAINLESS STEEL.
- PRESS FIT LEGS 3.05mm [.120 INCH] LONG
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS. THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS) AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.
- WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
- NO ROHS EXEMPTIONS.
- CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

| WEEK/YEAR DATE CODE TABLE |  |
|---------------------------|--|
| WW                        | 01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR |
| YY                        | 11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13                                  |

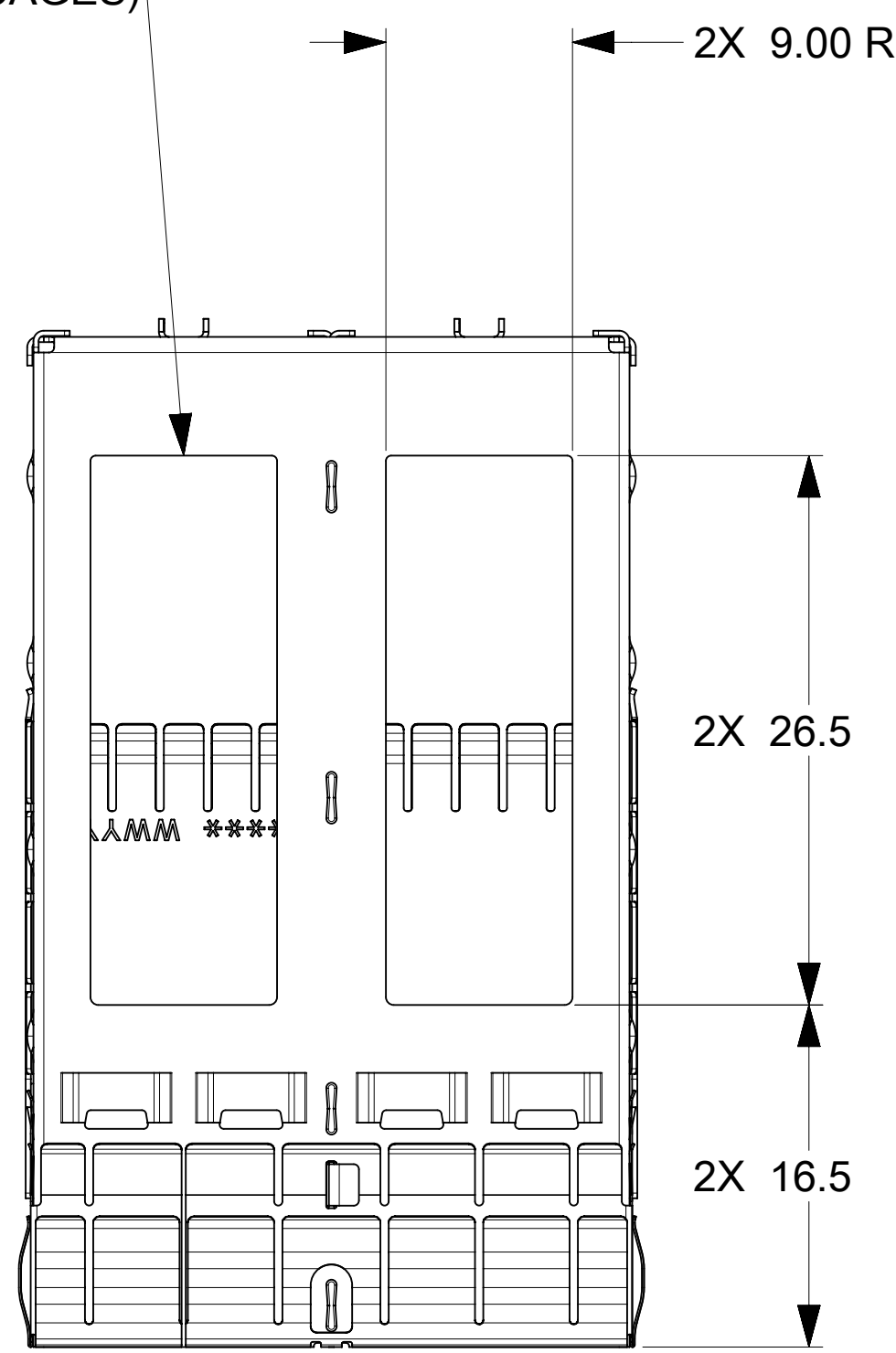
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|  |       |   |                            |
|--|-------|---|----------------------------|
| DIMENSION UNITS                                      | SCALE | CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457. |                            |
| mm   | 4:1   |   |                            |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       |   |                            |
|  | MM    | INCH  |                            |
| 4 PLACES   | ±     | ±   |                            |
| 3 PLACES   | ±     | ±   |                            |
| 2 PLACES   | ±     | 0.13  | ±                          |
| 1 PLACE  | ±     | 0.25  | ±                          |
| 0 PLACES   | ±     | ±   | ±                          |
| ANGULAR TOL  | ±     | °   |                            |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION                                    |                            |
|  |       | DRAWING   | SERIES                     |
|  |       | D-SIZE  | 111112                     |
|  |       | MATERIAL NUMBER   | CUSTOMER                   |
|  |       | SEE SHEET 4   | GENERAL MARKET             |
|  |       | DOCUMENT NUMBER   | DOC TYPE DOC PART REVISION |
|  |       | SD-111112-2220  | PSD 001 J                  |
|  |       | SHEET NUMBER  |                            |
|  |       |   | 1 OF 8                     |

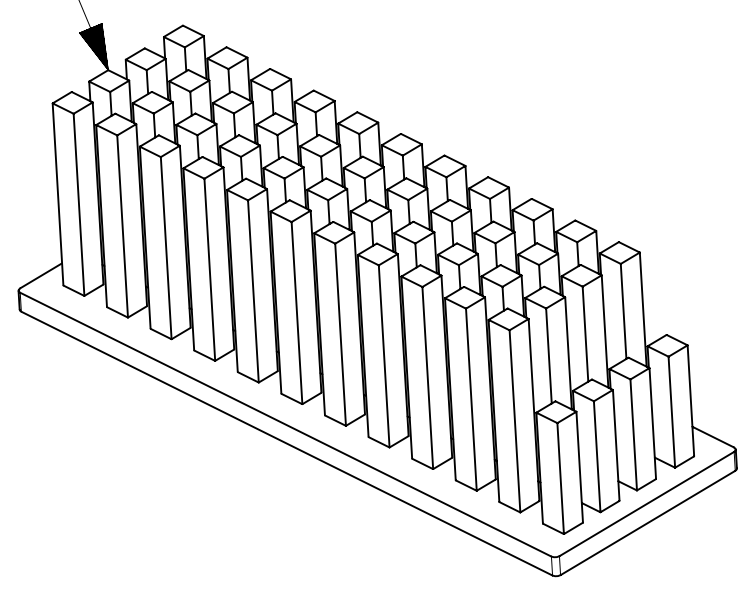


# CAGE ASSEMBLY OPTIONS

OPEN TOP  
1111120220  
SHOWN  
(APPLIES TO ALL  
OPEN TOP CAGES)



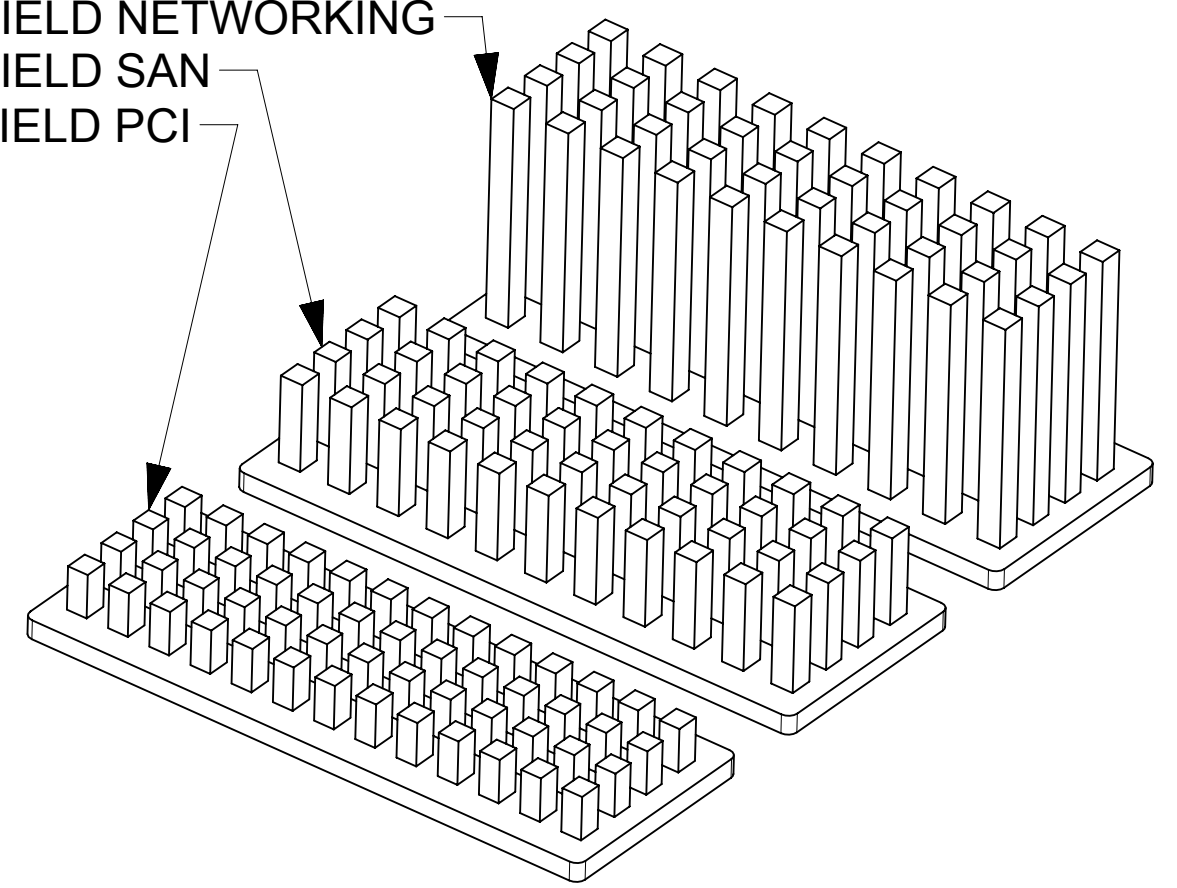
HEATSINK OPTIONS  
(2 PLC)  
CUSTOM



OVERALL HEAT SINK HEIGHT

| STYLE  | DIM 'A' | DIM 'B' |
|--------|---------|---------|
| CUSTOM | 20.4    | 16.7    |

HEATSINK OPTIONS  
(2 PLC)  
PIN FIELD NETWORKING  
PIN FIELD SAN  
PIN FIELD PCI

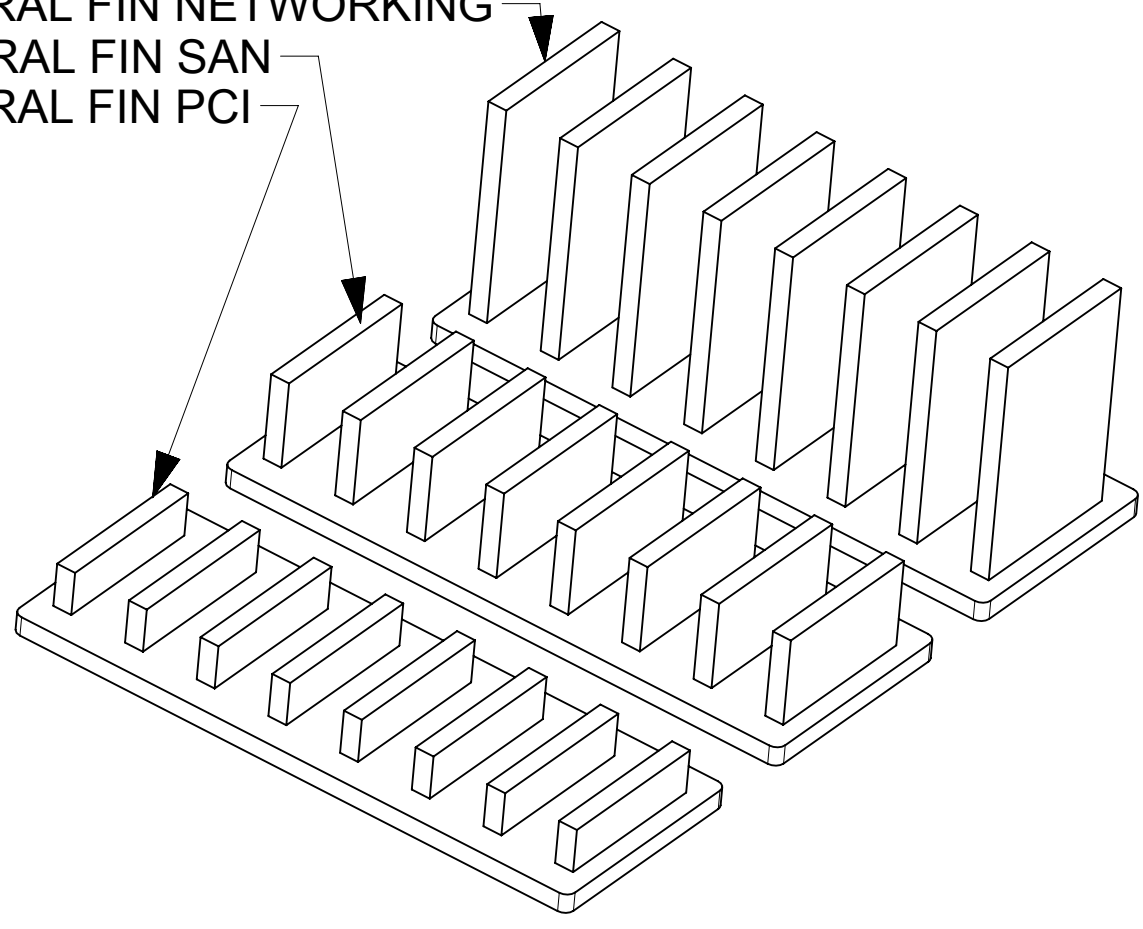


OVERALL HEATSINK HEIGHT

| APPLICATION | STYLE     | DIM 'A' |
|-------------|-----------|---------|
| PCI         | PIN FIELD | 14.3    |
| SAN         | PIN FIELD | 16.6    |
| NETWORKING  | PIN FIELD | 23.6    |

NOTE: PCI- 13 ROWS  
SAN- 11 ROWS  
NETWORKING- 10 ROWS

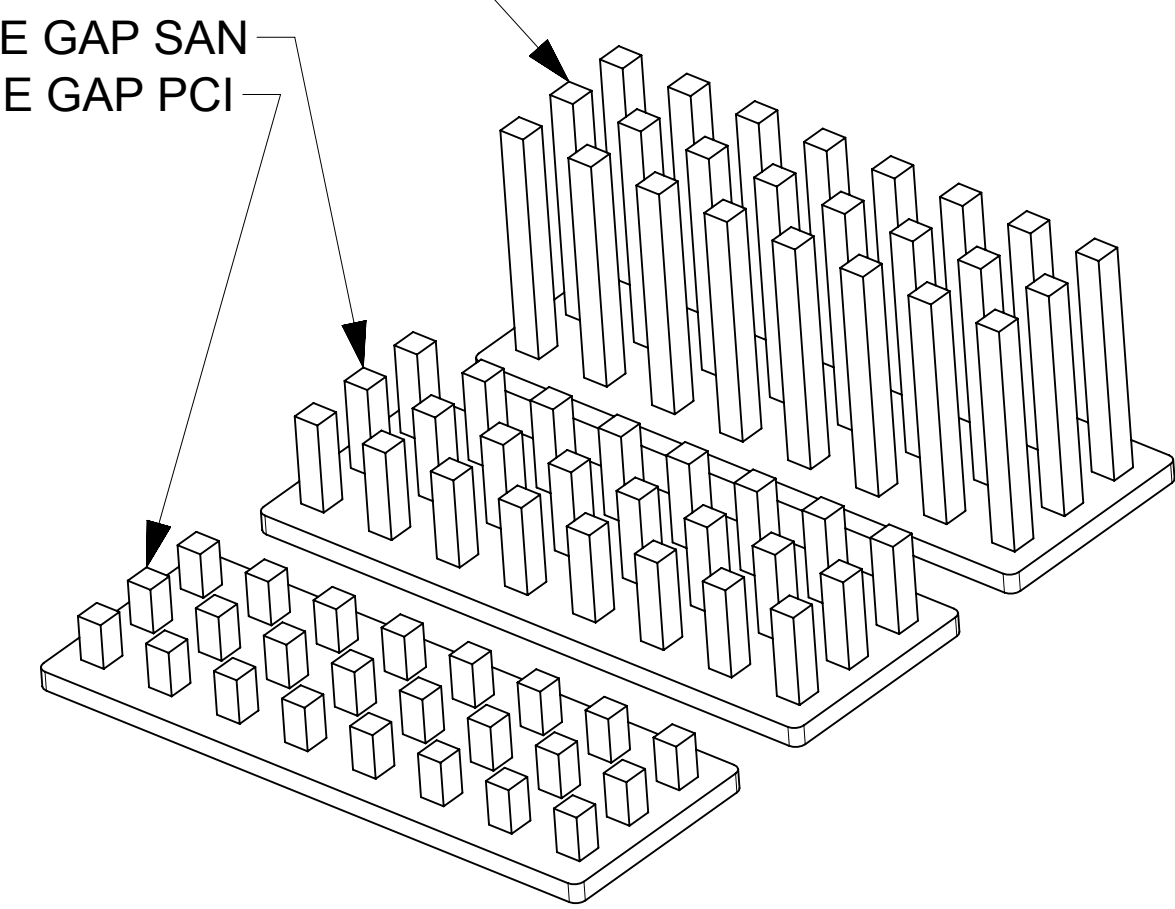
HEATSINK OPTIONS  
(2 PLC)  
LATERAL FIN NETWORKING  
LATERAL FIN SAN  
LATERAL FIN PCI



OVERALL HEATSINK HEIGHT

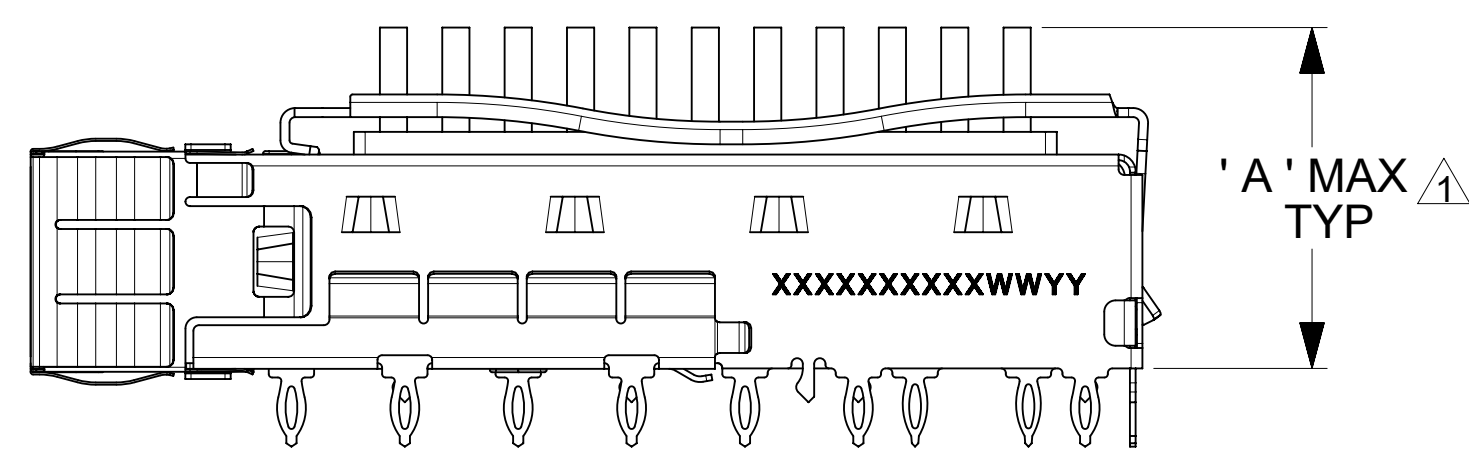
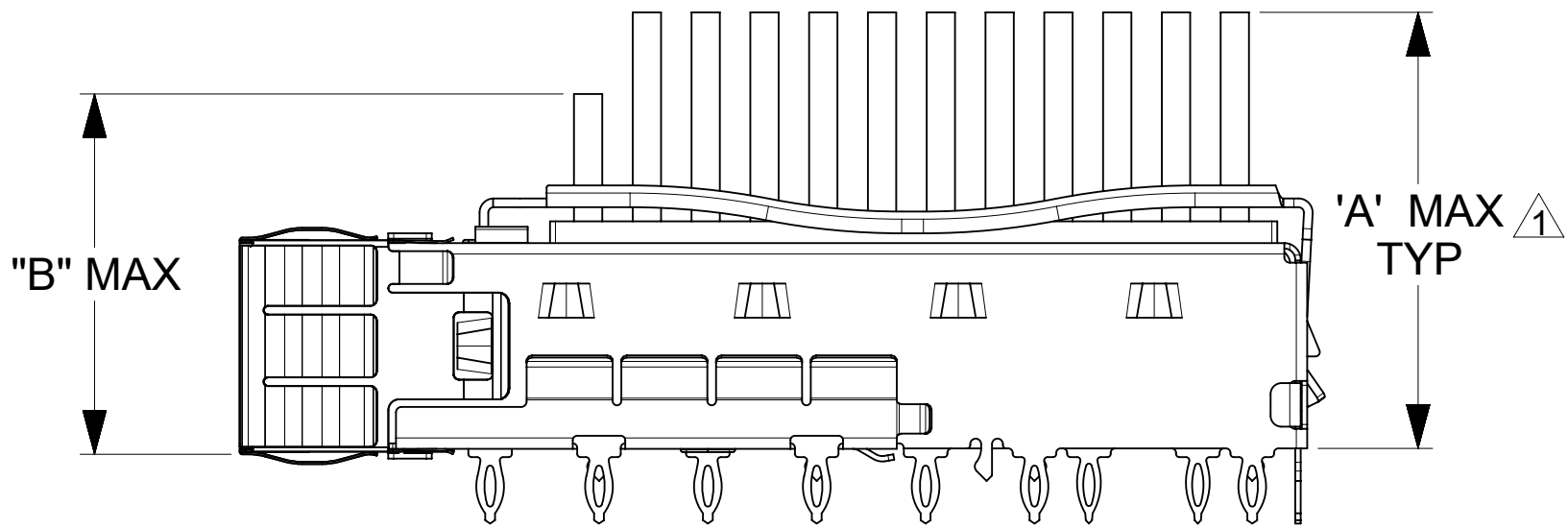
| APPLICATION | STYLE         | DIM 'A' |
|-------------|---------------|---------|
| PCI         | LATERAL FIELD | 14.3    |
| SAN         | LATERAL FIELD | 16.6    |
| NETWORKING  | LATERAL FIELD | 23.6    |

HEATSINK OPTIONS  
(2 PLC)  
WIDE GAP NETWORKING  
WIDE GAP SAN  
WIDE GAP PCI

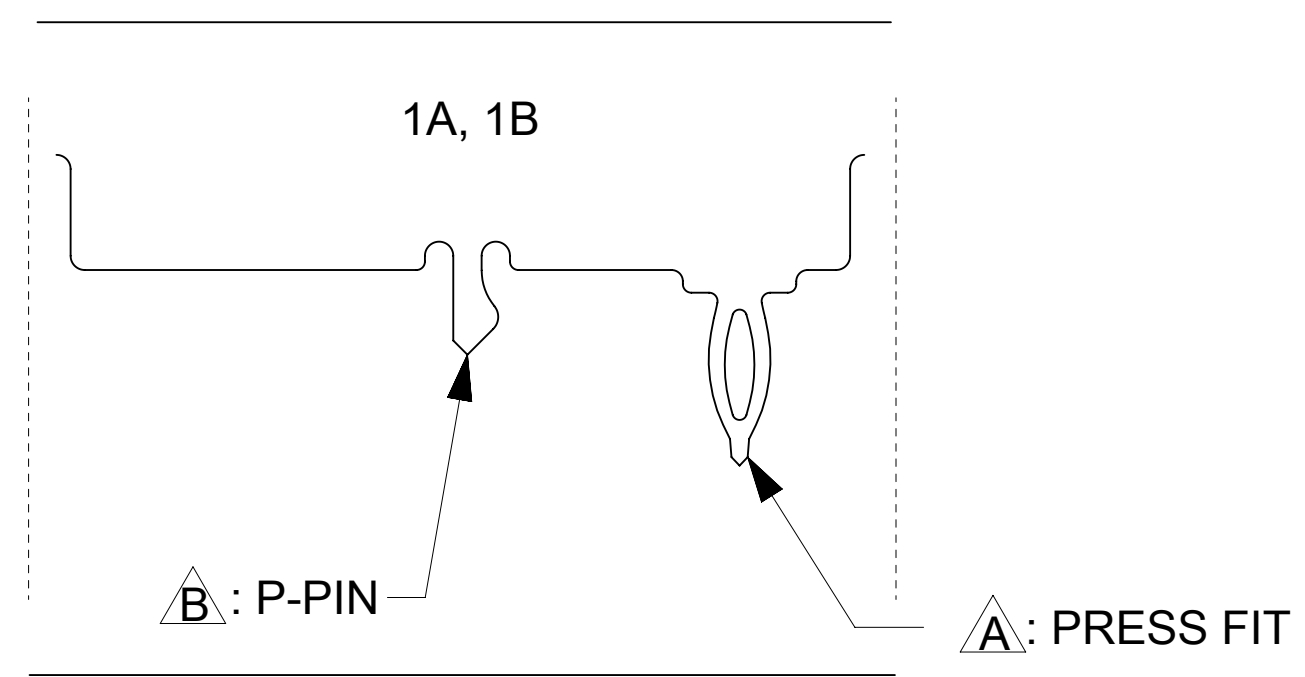


OVERALL HEATSINK HEIGHT

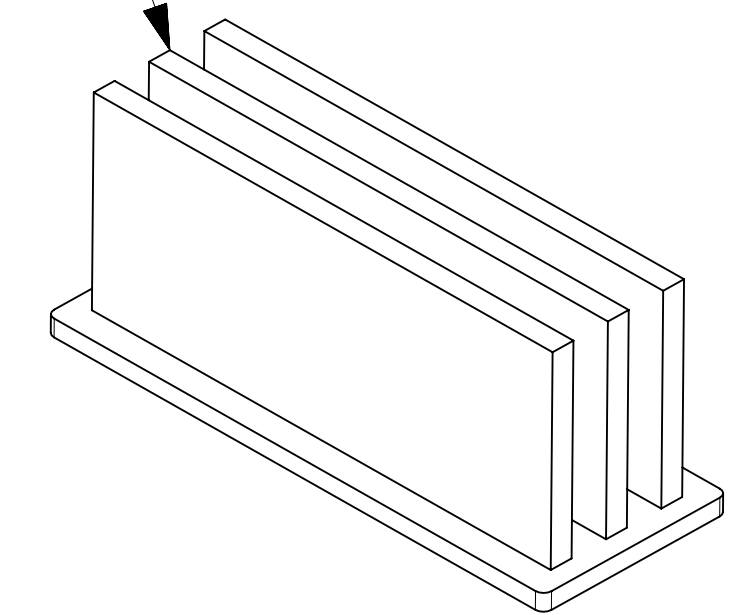
| APPLICATION | TYLE         | DIM 'A' |
|-------------|--------------|---------|
| PCI         | WIDE GAP PIN | 14.3    |
| SAN         | WIDE GAP PIN | 16.6    |
| NETWORKING  | WIDE GAP PIN | 23.6    |



## REAR LEG OPTIONS (PER REPORT)



HEATSINK OPTIONS  
CUSTOM FIN



OVERALL HEATSINK HEIGHT

| APPLICATION | DIM 'A' |
|-------------|---------|
| CUSTOM      | 23.6    |

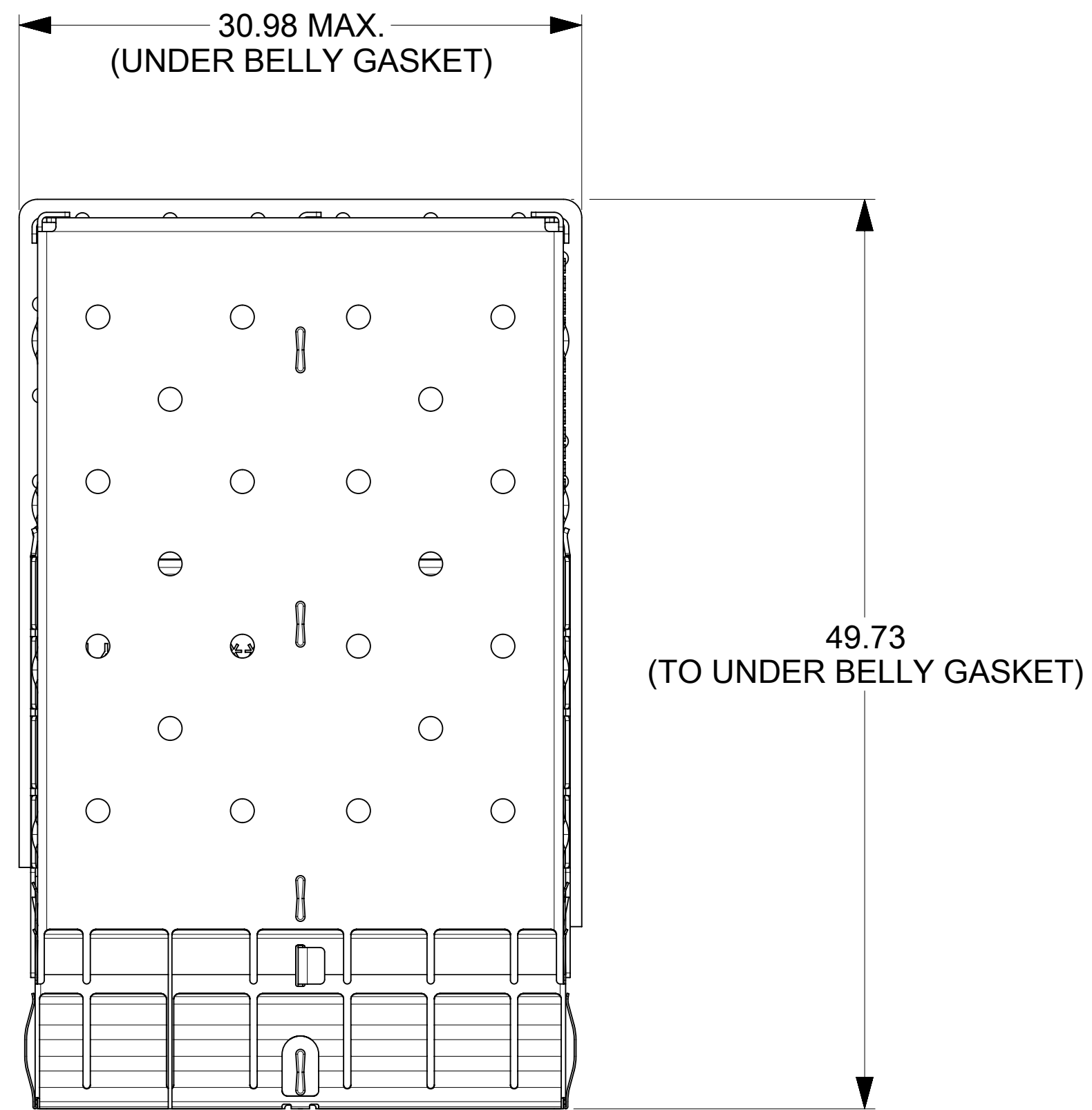
WEEK/YEAR DATE CODE TABLE

|    |  |
|----|--|
| WW | 01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR |
| YY | 11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13                                  |

WITH MODULE INSERTED. DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS

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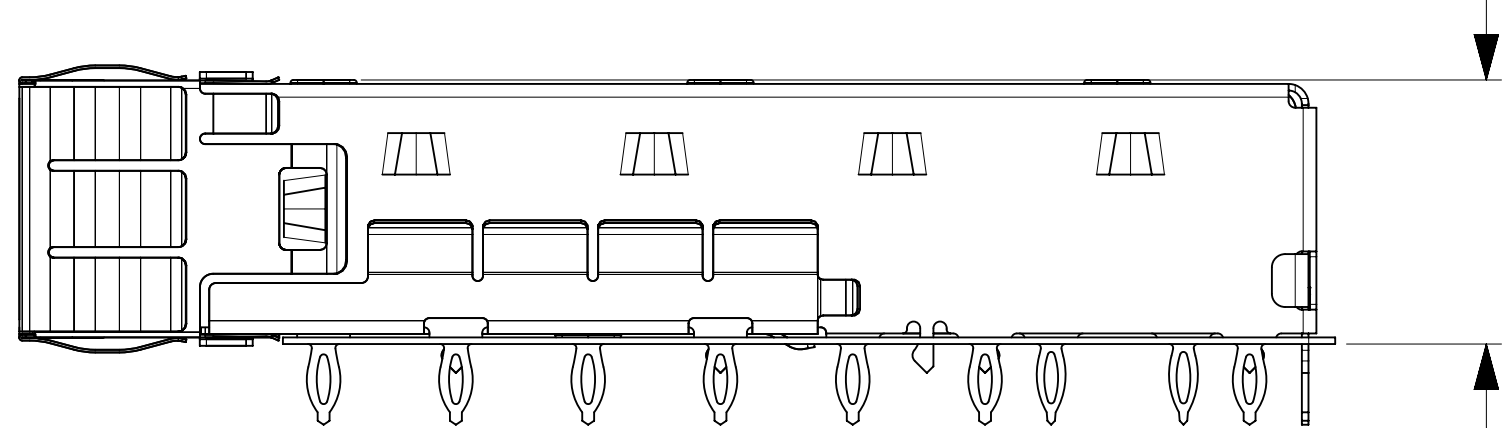
|  |                     |  |  |          |          |                |     |                        |
|--|---------------------|--|--|----------|----------|----------------|-----|------------------------|
| DIMENSION UNITS<br><b>mm</b>                               | SCALE<br><b>3:1</b> | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#509457. |  |          |          |                |     |                        |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                     |  |  |          |          |                |     |                        |
|  | MM                  | INCH   | SFP+ 1X2 CAGE, .120 INCH<br>PRESS FIT, HEAT SINK, EMI SPRING FINGERS |          |          |                |     |                        |
| 4 PLACES   | ±                   | ±  | PRODUCT CUSTOMER DRAWING   |          |          |                |     |                        |
| 3 PLACES   | ±                   | ±  | DOCUMENT NUMBER  | DOC TYPE | DOC PART | REVISION       |     |                        |
| 2 PLACES   | ± 0.13              | ±  | SD-11112-2220  |          |          | PSD            | 001 | J                      |
| 1 PLACE  | ± 0.25              | ±  | MATERIAL NUMBER  |          |          | CUSTOMER       |     | SHEET NUMBER           |
| 0 PLACES   | ±                   | ±  | SEE SHEET 4  |          |          | GENERAL MARKET |     | 2 OF 8                 |
| ANGULAR TOL  | ±                   | °  | SERIES   |          |          | DRAWING        |     | THIRD ANGLE PROJECTION |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                     |  | D-SIZE   |          | 111112   |                |     |                        |



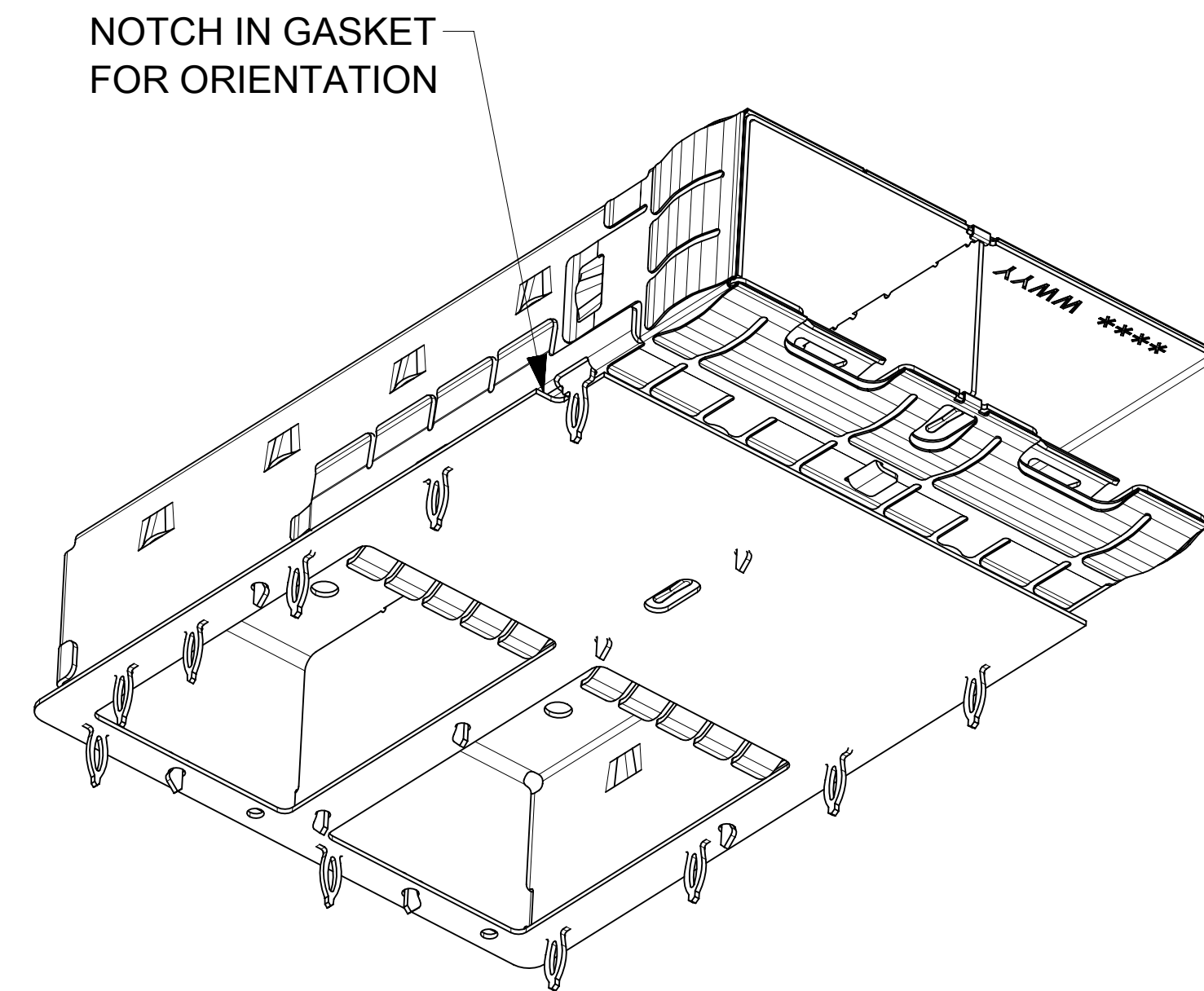
### OPTIONAL GEN 2 zSFP+ UNDER BELLY GASKET

1001130220

SHOWN



9.98 REF  
TOP OF COIN TO  
PCB PAD SURFACE  
(WHEN PRESSED INTO BOARD)

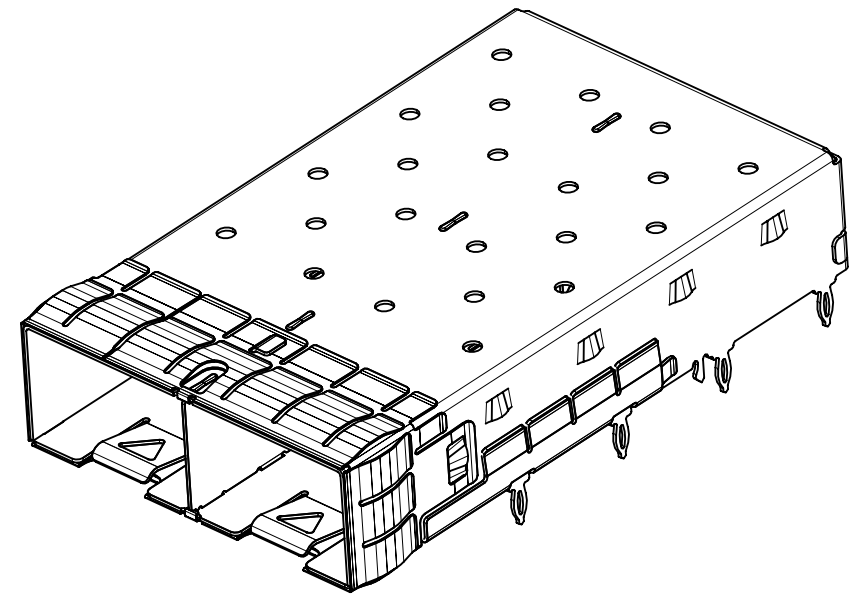


NOTE:  
1. UNDER BELLY GASKET IS UL94 V-0 RATED

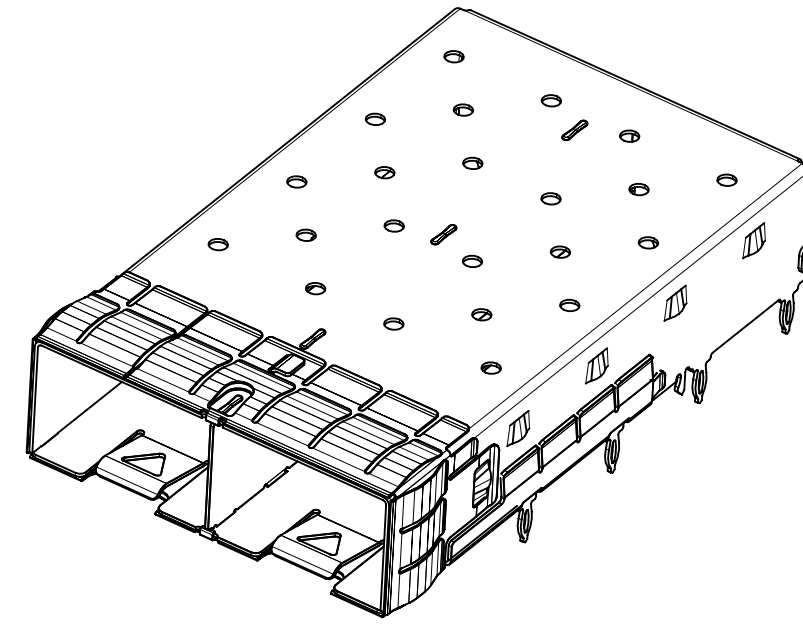
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|  |  |                        |      |  |  |  |  |                |  |
|--|--|------------------------|------|--|--|--|--|----------------|--|
| DIMENSION UNITS<br><b>mm</b>                               |  | SCALE<br><b>3.5:1</b>  |      | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#509457. |  | <p>SFP+ 1X2 CAGE, .120 INCH<br/>PRESS FIT, HEAT SINK, EMI SPRING FINGERS</p> |  |                |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |  |                        |      | EC NO: 680890  |  |  |  |                |  |
|  |  | MM                     | INCH | DRWN: SANTHN 2021/06/24                                      |  | PSD  |  | 001            |  |
| 4 PLACES ±   |  | ±                      | ±    | CHK'D: GGA 2021/11/25  |  | REVISION   |  | J              |  |
| 3 PLACES ±   |  | ±                      | ±    | APPR: GGA 2021/11/25   |  | DOCUMENT NUMBER  |  | SD-11112-2220  |  |
| 2 PLACES ±   |  | 0.13                   | ±    | INITIAL REVISION:  |  | DOC PART   |  | 001            |  |
| 1 PLACE ±  |  | 0.25                   | ±    | DRWN: JERWIN 2013/11/21                                      |  | CUSTOMER   |  | GENERAL MARKET |  |
| 0 PLACES ±   |  | ±                      | ±    | APPR:  |  | SHEET NUMBER   |  | 3 OF 8         |  |
| ANGULAR TOL ± °  |  | ±                      | °    | THIRD ANGLE PROJECTION                                       |  | MATERIAL NUMBER  |  | SEE SHEET 4    |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION |      | DRAWING  |  | SERIES   |  | D-SIZE         |  |
|  |  | THIRD ANGLE PROJECTION |      | D-SIZE   |  | SERIES   |  | 111112         |  |

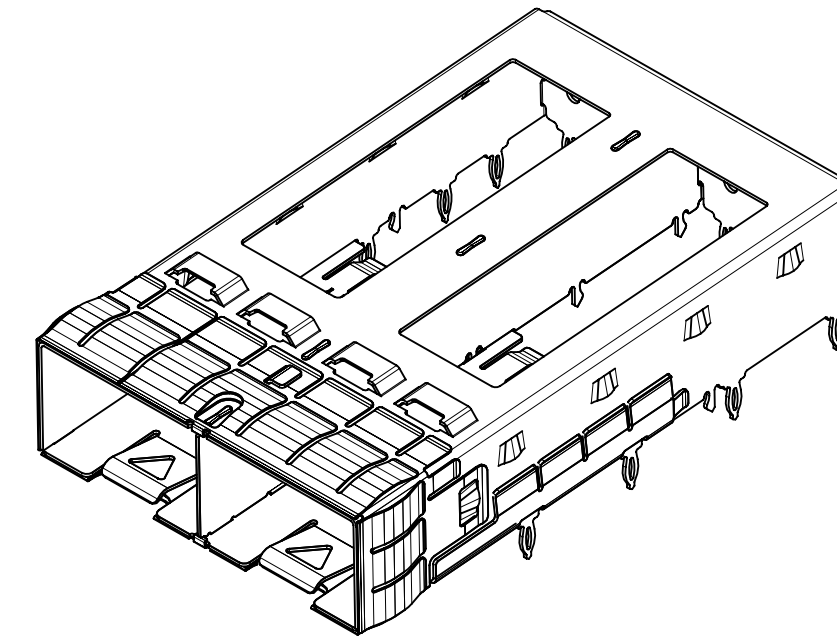
PART NUMBER SELECTION



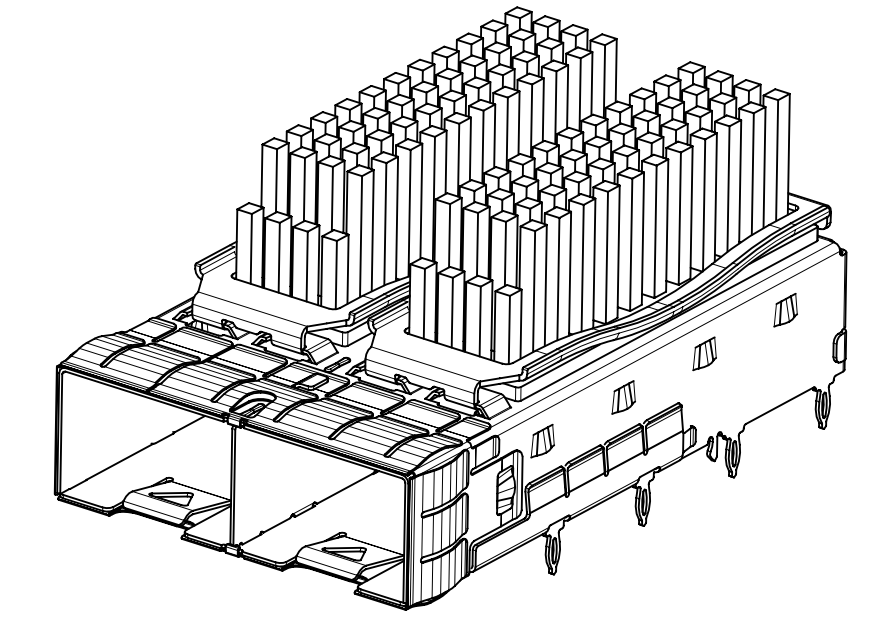
| SFP+ CLOSED TOP BASE CAGE |  |
|---------------------------|--|
| PART NO.                  | DESCRIPTION                                |
| 747540220                 | SFP FOOTPRINT (STD B TO B), 5 WELD POINTS  |
| 747540222                 | SFP FOOTPRINT (STD B TO B), 16 WELD POINTS |
| 747540247                 | SAME AS ABOVE BUT NO PN/DATE CODE PRINTED  |



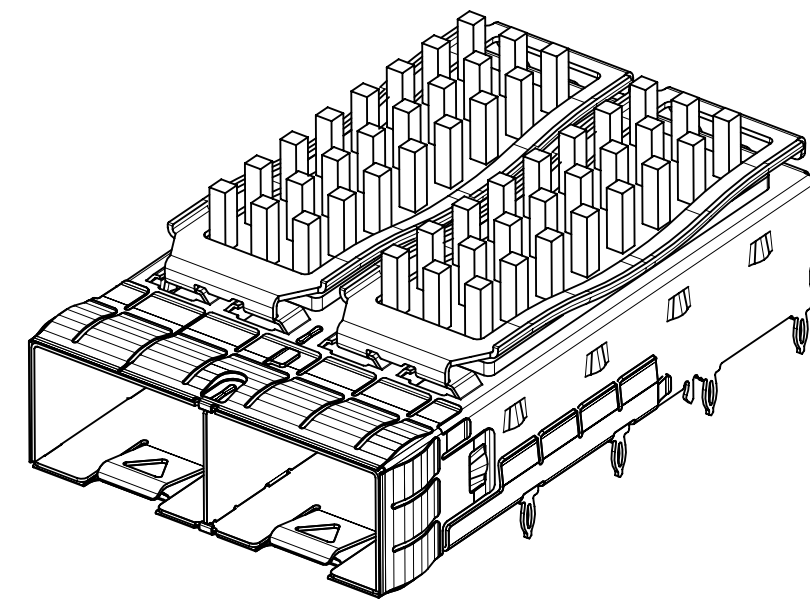
| zSFP+ GEN 2 CLOSED TOP |  |
|------------------------|--|
| PART NO.               |  |
| 1001130220             |  |



| SFP+ OPEN TOP BASE CAGE FOR HEATSINK |  |
|--------------------------------------|--|
| PART NO.                             |  |
| 1111120220                           |  |



| SFP+ CUSTOM HEATSINK OPTION |  |
|-----------------------------|--|
| PART NO.                    |  |
| 1111120226                  |  |

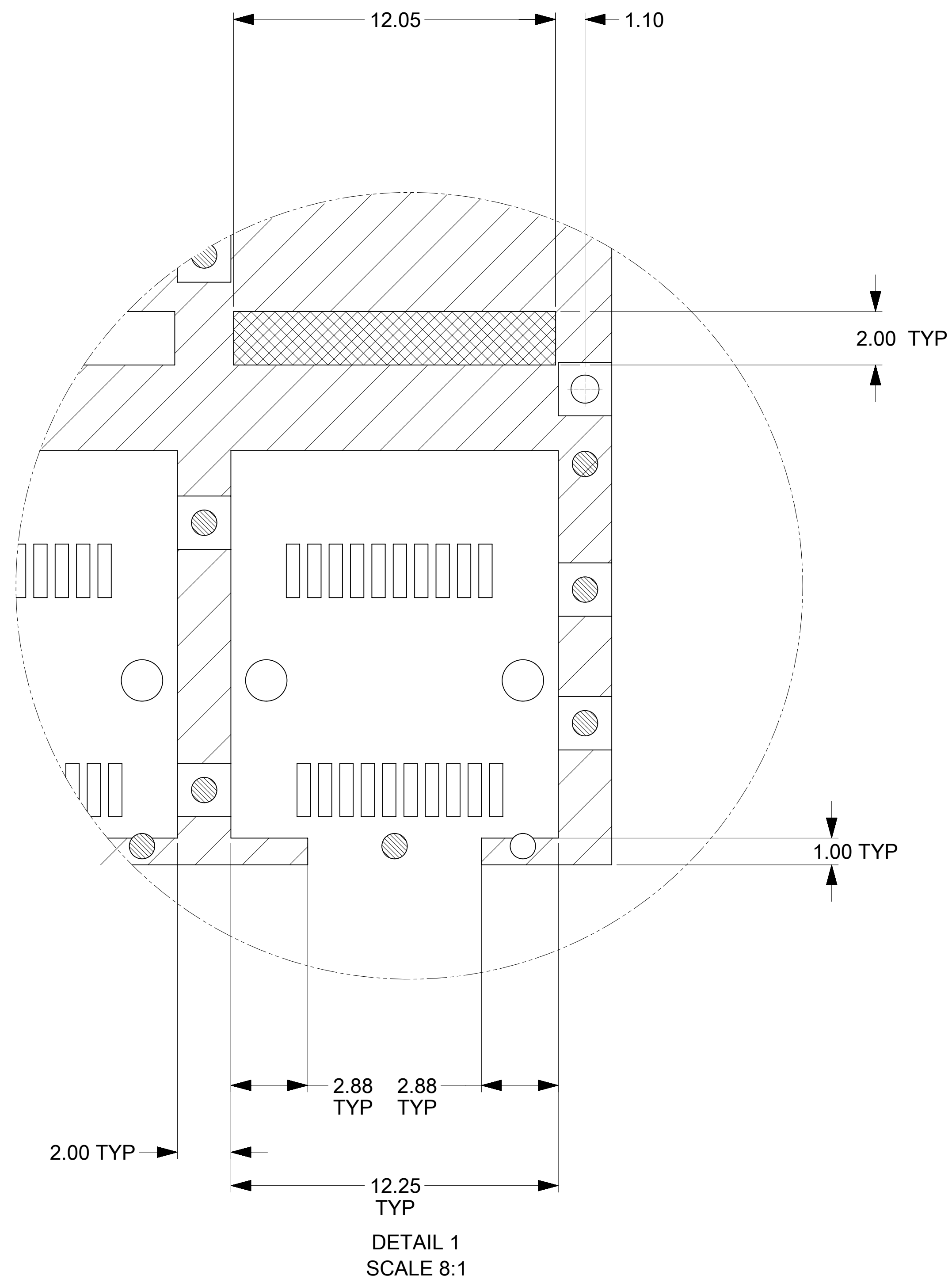
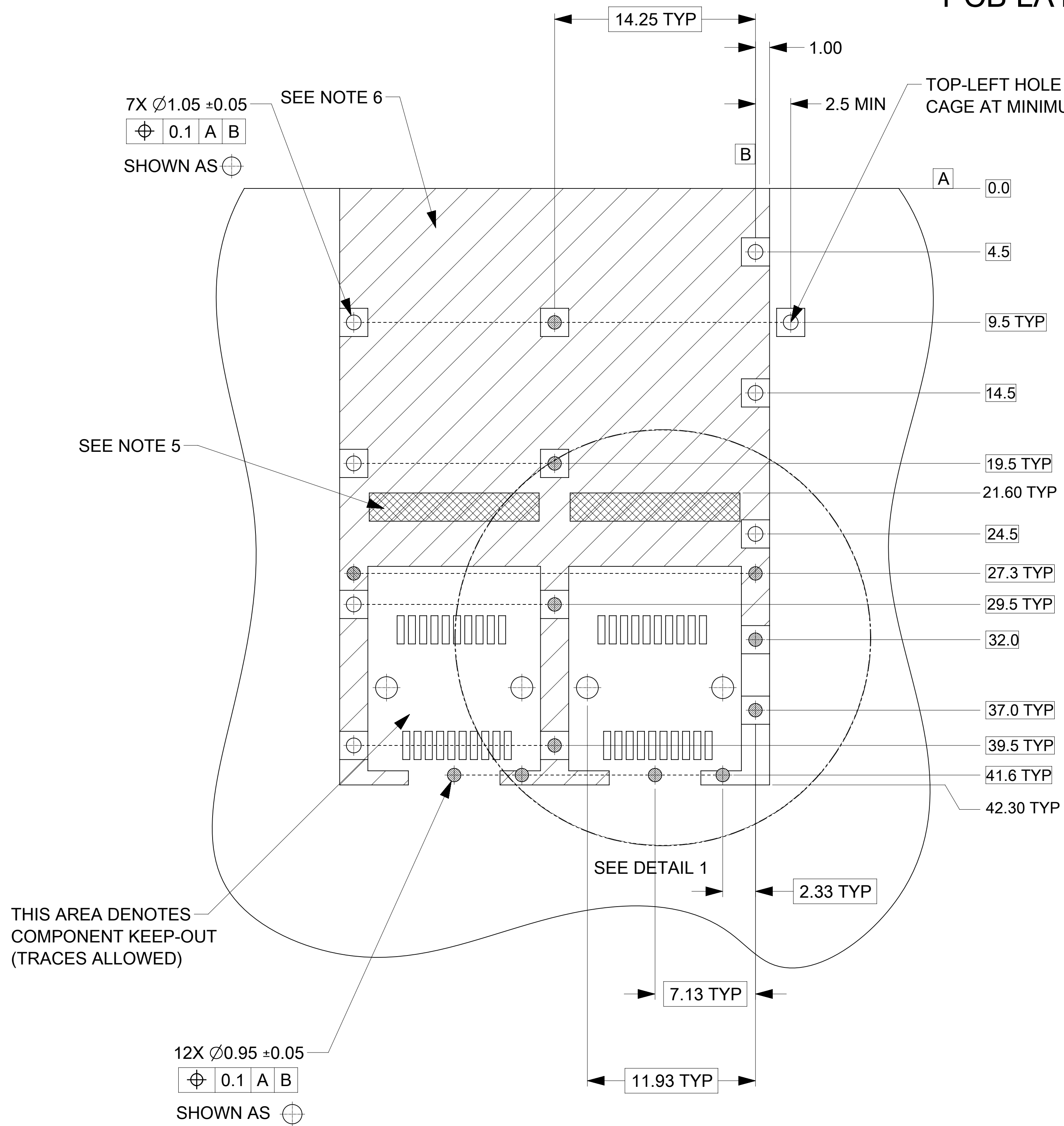


| SFP+ LATERAL FIN HEATSINK OPTION |             |
|----------------------------------|-------------|
| PART NO.                         | APPLICATION |
| 1111127220                       | PCI         |

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|  |       |   |   |                          |        |                 |                |              |
|--|-------|---|---|--------------------------|--------|-----------------|----------------|--------------|
| DIMENSION UNITS                                      | SCALE | CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457. |   |                          |        |                 |                |              |
| mm   | 2:1   |   |   |                          |        |                 |                |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       |   |   | PRODUCT CUSTOMER DRAWING |        |                 |                |              |
|  | MM    | INCH  |   | DOCUMENT NUMBER          |        |                 |                |              |
| 4 PLACES   | ±     | ±   |   | SD-11112-2220            |        |                 |                |              |
| 3 PLACES   | ±     | ±   |   | PSD 001 J                |        |                 |                |              |
| 2 PLACES   | ±     | 0.13  | ± | REVISION                 |        |                 |                |              |
| 1 PLACE  | ±     | 0.25  | ± | 2013/11/21               |        |                 |                |              |
| 0 PLACES   | ±     | ±   |   | SEE SHEET 4              |        |                 |                |              |
| ANGULAR TOL  | ±     | °   |   | GENERAL MARKET           |        |                 |                |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION                                    |   | DRAWING                  | SERIES | MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|  |       |   |   | D-SIZE                   | 111112 | SEE SHEET 4     | GENERAL MARKET | 4 OF 8       |

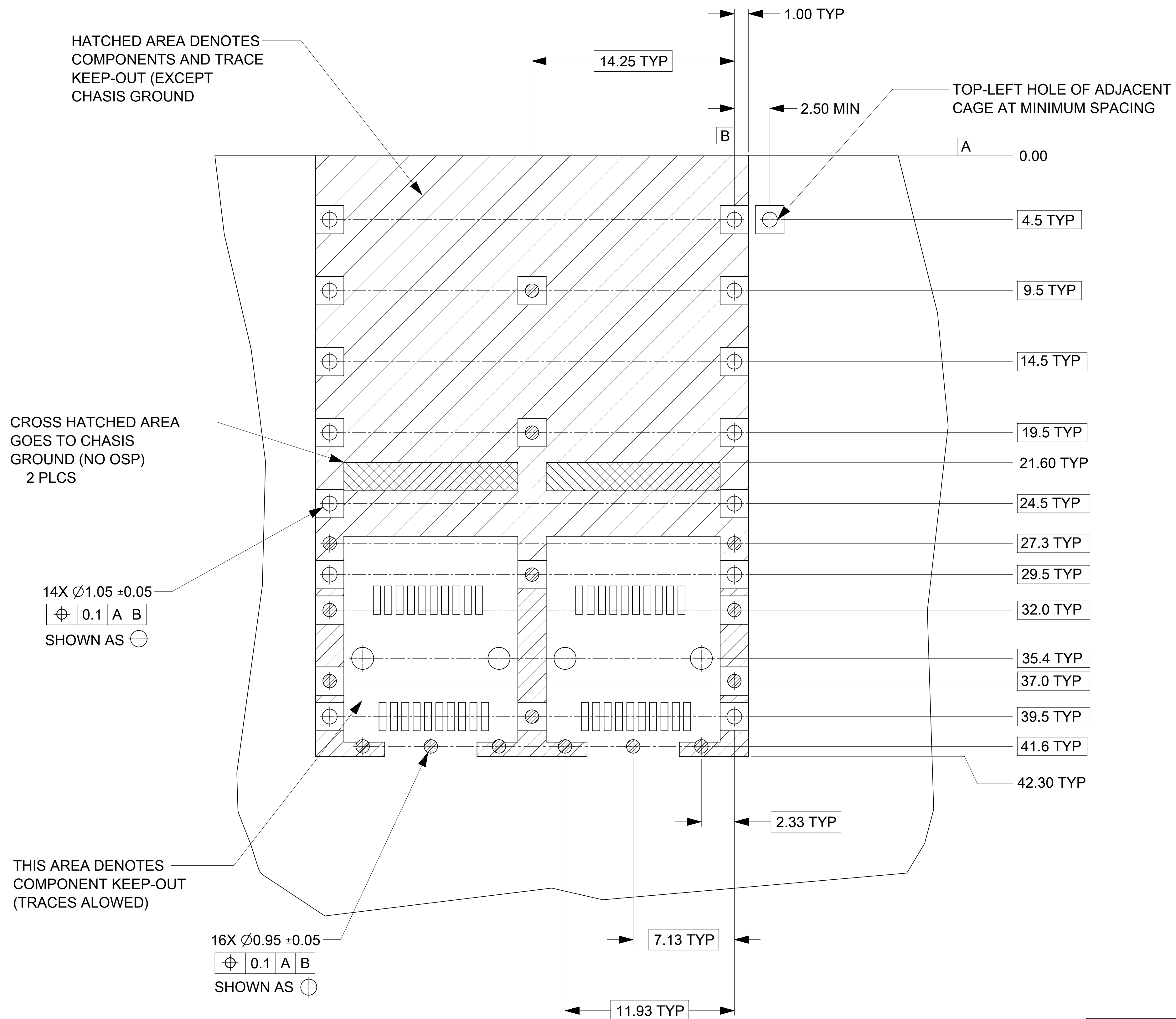
# PCB LAYOUT - SINGLE SIDE ONLY



- NOTES:**
- PADS AND VIAS CONNECT TO CHASSIS GROUND  
RECOMMEND PADS TO BE 2.00mm SQUARE
  - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
  - CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
  - SPACING BETWEEN PORTS IS 14.25mm
  - CROSS-HATCHED AREA IS EXPOSED CHASSIS GROUND (NO OSP)
  - HATCHED AREA IS COMPONENT AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)
  - 1.57mm [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.

|   |  |                     |  |  |  |   |  |                        |  |                          |  |
|---|--|---------------------|--|--|--|---|--|------------------------|--|--------------------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                     |  |  |  |   |  |                        |  |                          |  |
| DIMENSION UNITS<br><b>mm</b>  |  | SCALE<br><b>5:1</b> |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#509457. |  |   |  |                        |  |                          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |                     |  |  |  | EC NO: 680890   |  |                        |  |                          |  |
|   |  | MM                  |  | INCH   |  | DRWN: SANTHN  |  | 2021/11/25             |  | PRODUCT CUSTOMER DRAWING |  |
| 4 PLACES ±  |  | ±                   |  | ±  |  | CHK'D: GGA  |  | 2021/11/25             |  | DOCUMENT NUMBER          |  |
| 3 PLACES ±  |  | ±                   |  | ±  |  | APPR: GGA   |  | 2021/11/25             |  | DOC TYPE                 |  |
| 2 PLACES ±  |  | 0.13                |  | ±  |  | INITIAL REVISION:                                       |  | 2013/11/21             |  | DOC PART                 |  |
| 1 PLACE ±   |  | 0.25                |  | ±  |  | DRWN: JERWIN  |  | 2013/11/21             |  | REVISION                 |  |
| 0 PLACES ±  |  | ±                   |  | ±  |  | APPR:   |  |                        |  | SD-111112-2220           |  |
| ANGULAR TOL ± °   |  | ±                   |  | °  |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION |  | MATERIAL NUMBER          |  |
|   |  |                     |  |  |  | D-DRAWING   |  | SERIES                 |  | CUSTOMER                 |  |
|   |  |                     |  |  |  | D-DRAWING   |  | 111112                 |  | GENERAL MARKET           |  |
|   |  |                     |  |  |  |   |  |                        |  | SHEET NUMBER             |  |
|   |  |                     |  |  |  |   |  |                        |  | 5 OF 8                   |  |

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



HATCHED AREA DENOTES COMPONENTS AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 2 PLCS

14X Ø1.05 ±0.05  
 ⊕ 0.1 A B  
 SHOWN AS ⊕

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

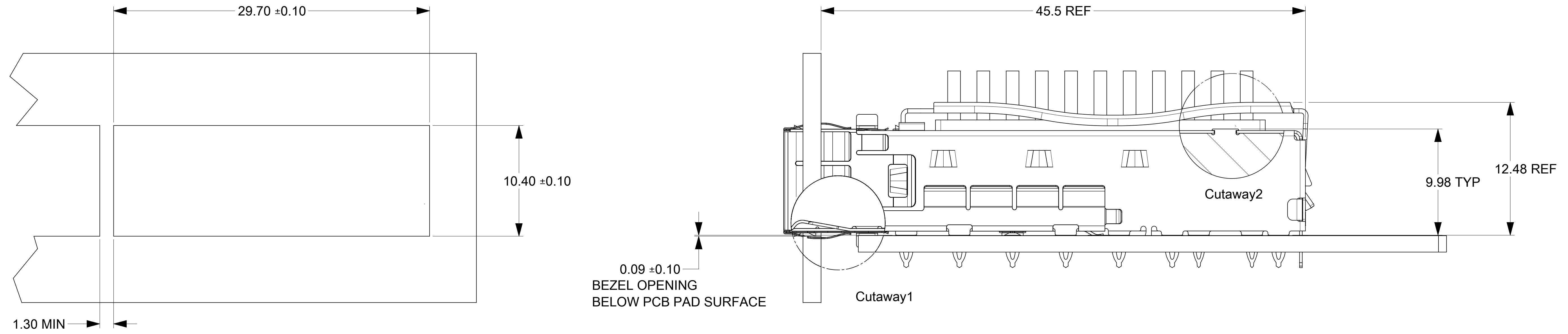
16X Ø0.95 ±0.05  
 ⊕ 0.1 A B  
 SHOWN AS ⊕

NOTE:  
 SEE SHEET 5 FOR HOST CONNECTOR DETAIL

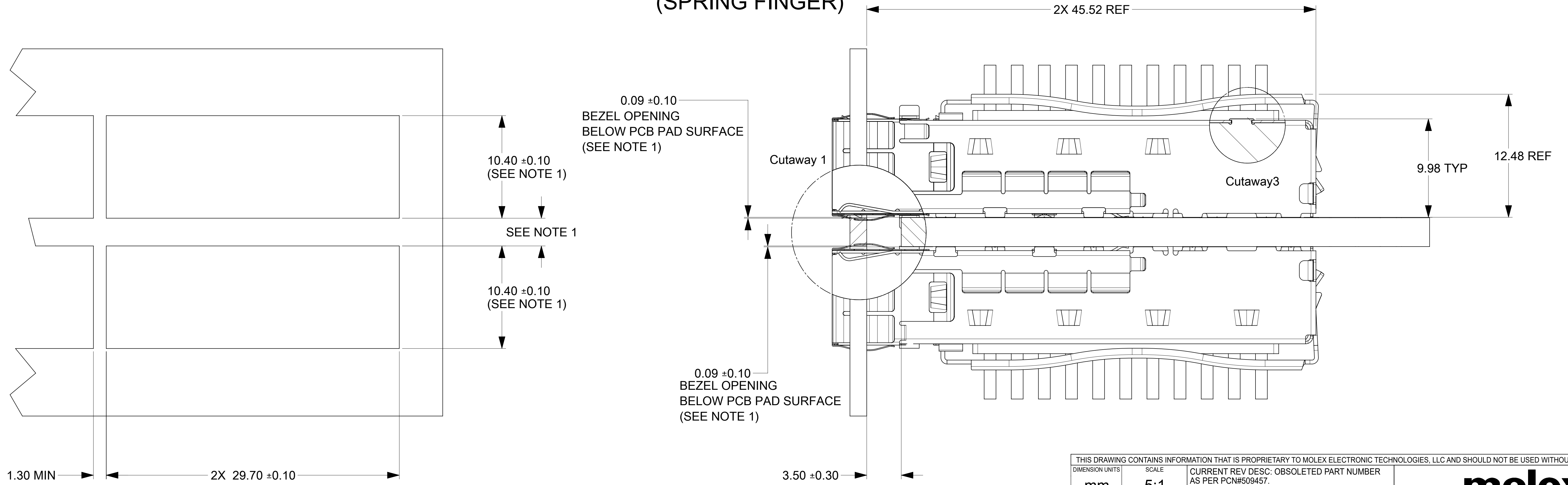
- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND  
 RECOMMEND PADS TO BE 2.00mm SQUARE
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
  3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
  4. SPACING BETWEEN PORTS IS 14.25mm.
  5. 3.00mm [.118 INCH] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.

|   |  |                        |  |   |  |  |  |   |  |                          |  |
|---|--|------------------------|--|---|--|--|--|---|--|--------------------------|--|
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| DIMENSION UNITS   |  | SCALE                  |  | CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457. |  |  |  |   |  |                          |  |
| mm  |  | 6:1                    |  |   |  |  |  |   |  |                          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |                        |  | EC NO: 680890   |  |  |  | SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS |  |                          |  |
|   |  | MM                     |  | INCH  |  | DRWN: SANTHN 2021/06/24                              |  |   |  | PRODUCT CUSTOMER DRAWING |  |
| 4 PLACES  |  | ±                      |  | ±   |  | CHK'D: GGA 2021/11/25                                |  |   |  | DOCUMENT NUMBER          |  |
| 3 PLACES  |  | ±                      |  | ±   |  | APPR: GGA 2021/11/25                                 |  |   |  | DOC TYPE                 |  |
| 2 PLACES  |  | ± 0.13                 |  | ±   |  | INITIAL REVISION:                                    |  |   |  | DOC PART                 |  |
| 1 PLACE   |  | ± 0.25                 |  | ±   |  | DRWN: JERWIN 2013/11/21                              |  |   |  | REVISION                 |  |
| 0 PLACES  |  | ±                      |  | ±   |  | APPR:  |  |   |  | SD-11112-2220            |  |
| ANGULAR TOL   |  | ±                      |  | °   |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |   |  | PSD 001 J                |  |
|   |  | THIRD ANGLE PROJECTION |  | DRAWING   |  | SERIES   |  | MATERIAL NUMBER   |  | CUSTOMER                 |  |
|   |  |                        |  | D-SIZE  |  | 111112   |  | SEE SHEET 4   |  | GENERAL MARKET           |  |
|   |  |                        |  |   |  |  |  |   |  | SHEET NUMBER             |  |
|   |  |                        |  |   |  |  |  |   |  | 6 OF 8                   |  |

## BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (SPRING FINGER)



## BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (SPRING FINGER)



- NOTE:**
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING SIZE AND LOCATION.
  2. CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB.

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: OBSOLETE PART NUMBER AS PER PCN#509457. |   | <h1 style="margin: 0;">molex</h1>  |        |
| mm   | 5:1   |   |   |  |        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       |   |   | <p>SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS</p> <p>PRODUCT CUSTOMER DRAWING</p> |        |
|  | MM    | INCH  |   |  |        |
| 4 PLACES   | ±     | ±   |   |  |        |
| 3 PLACES   | ±     | ±   |   |  |        |
| 2 PLACES   | ±     | 0.13  | ± |  |        |
| 1 PLACE  | ±     | 0.25  | ± |  |        |
| 0 PLACES   | ±     | ±   | ± |  |        |
| ANGULAR TOL  | ±     | °   |   |  |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION                                    |   | DRAWING  | SERIES |
|  |       |   |   | D-SIZE   | 111112 |
| DOCUMENT STATUS                                      |       | RELEASE DATE  |   | MATERIAL NUMBER  |        |
| P1   |       | 2021/11/25 12:19:18                                       |   | SEE SHEET 4  |        |
|  |       |   |   | CUSTOMER   |        |
|  |       |   |   | GENERAL MARKET   |        |
|  |       |   |   | SHEET NUMBER   |        |
|  |       |   |   | 7 OF 8   |        |

| DATE       | REV | DESCRIPTION   |
|------------|-----|---|
| 2011/06/10 | A   | INITIAL RELEASE   |
| 2011/06/15 | A1  | SHEET 1: REMOVED HEATSINK OPENING REFERENCE DIMENSIONS AND WEEK 52 REFERENCE;<br>SHEET 4: ADDED NOTES POINTING TO THE INNER WALL COINED OVER THE COVER.   |
| 2011/07/22 | B   | ADDED HOLES IN CAGE FOR LIGHTPIPES; MOVED DATE CODE; REVISED ROHS NOTE 5; CHANGED HEATSINK HEIGHT FROM 8.63 TO 6.5; TABULARIZED PCI, SAN, AND NETWORKING; AND ADDED HEATSINK HEIGHT WITH MODULE INSERTED.   |
| 2011/08/19 | B1  | UPDATED CAGE AND SPRING CLIP MODELS.  |
| 2012/10/25 | C   | SHEET 1: REMOVED HEATSINKS, AND ALL DIMS AND ANNOTATIONS RELATING TO THEM, FROM ALL VIEWS;<br>REMOVED NOTE 6; REMOVED EXPLODED VIEW; REMOVED PART NUMBER TABLE; ADDED TITLE.<br>NEW SHEET 2: ISO VIEWS OF CAGE WITH NO HEATSINKS AND VIEWS WITH EACH OF FOUR TYPES AND SIZES OF HEATSINK; ANNOTATIONS ON EACH VIEW INDICATING EACH HEATSINK TYPE AND SIZE; RIGHT SIDE VIEW WITH DIM OF HEATSINK HEIGHT; TABLE UNDER EACH VIEW WITH HEATSINK SIZES AND DIMS; NOTE 1; SHEET TITLE.<br>NEW SHEET 3: ISO VIEWS OF CAGE WITH NO HEATSINKS AND VIEWS WITH EACH OF FOUR DIFFERENT TYPES OF HEATSINK; TABLES UNDER EACH VIEW WITH PART NUMBERS OF EACH SIZE; SHEET TITLE. |
| 2014/02/07 | D   | SHEET 1: REVISED ALL BASE CAGE DETAILS AND VIEWS FROM 111112-0232 TO 74754-0220. REMOVED INSERTION FORCE INTO PCB FROM NOTE 2. REVISED NOTE 4: "WAS" WELD SPOT WILL SHOW SLIGHT MATERIAL DISCOLORATION. "NOW READS" WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION. SHEET 2: REVISED ALL HEAT SINK CAGE ASSEMBLY OPTIONS, ADDED OPEN TOP VIEW WITH DIMENSIONS, AND REAR LEG OPTION VIEW. ADDED SHEET 3 WITH ZSFP+ OPTIONS SHEET 4: ADDED PART NUMBERS 747540220, 1001130220. UPDATED TITLE BLOCK.   |
| 2014/08/13 | E   | SHEET 1: ADDED "REF" TO DIM 10.85 AND 28.25. ADDED 14.0 ±0.1.<br>MOVED "MINIMUM PCB THICKNESS" NOTES FROM SHEET 1 TO SHEETS 5 AND 6.  |
| 2014/08/21 | F   | SHEET 1: ADDED 747540247 NO NEED PRINTED @C6.<br>SHEET 1: ADDED P/N AND DATE CODE PRINTED NOTE @D11.<br>SHEET 4: ADDED P/N 747540247 IN TABLE @I18.   |
| 2015/02/26 | G   | SHEET 3: ADDED NOTE 1 "UNDER BELLY GASKET IS UL94 V-0 RATED."<br>SHEET 4: ADDED "5 WELD POINTS" INTO 747540220 @I17.<br>SHEET 4: ADDED P/N 747540222 @I17.<br>SHEET 7: ADDED NOTE 2 "CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB."  |
| 2015/08/26 | H   | SHEET 2: E3 : ADDED NEW CUSTOM FIN HEATSINK ISOVIEW<br>SHEET 4: E3 : ADDED PART NO. 111112-6221 ISOVIEW<br>MODIFIED PCB LAYOUT PER SFF-8433<br>SHEET 5: K19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1<br>D17 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1<br>SHEET 6: G19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1<br>B18 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1   |
| 2021/06/24 | J   | OBSOLETED P/N ARE REMOVED 1111126221, 1111121220, 1111123220, 1111124220, 1111125220, 1111126220, 1111128220, 1111129220.   |

|   |  |                        |  |  |  |                        |  |                 |  |   |  |
|---|--|------------------------|--|--|--|------------------------|--|-----------------|--|---|--|
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| DIMENSION UNITS<br><b>mm</b>  |  | SCALE<br><b>2:1</b>    |  | CURRENT REV DESC: OBSOLETED PART NUMBER AS PER PCN#509457. |  |                        |  | <b>molex</b>    |  | SFP+ 1X2 CAGE, .120 INCH PRESS FIT, HEAT SINK, EMI SPRING FINGERS |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |                        |  | EC NO: 680890  |  | 2021/06/24             |  |                 |  |   |  |
|   |  | MM                     |  | INCH   |  | DRWN: SANTHN           |  | 2021/11/25      |  | PRODUCT CUSTOMER DRAWING  |  |
| 4 PLACES ±  |  | ±                      |  | ±  |  | CHK'D: GGA             |  | 2021/11/25      |  | DOCUMENT NUMBER   |  |
| 3 PLACES ±  |  | ±                      |  | ±  |  | APPR: GGA              |  | 2021/11/25      |  | DOC TYPE  |  |
| 2 PLACES ±  |  | 0.13                   |  | ±  |  | INITIAL REVISION:      |  | 2013/11/21      |  | DOC PART  |  |
| 1 PLACE ±   |  | 0.25                   |  | ±  |  | DRWN: JERWIN           |  | 2013/11/21      |  | REVISION  |  |
| 0 PLACES ±  |  | ±                      |  | ±  |  | APPR:                  |  |                 |  | SD-111112-2220  |  |
| ANGULAR TOL ± °   |  | ± °                    |  | ± °  |  | THIRD ANGLE PROJECTION |  | DRAWING         |  | SERIES  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION |  | DRAWING  |  | SERIES                 |  | MATERIAL NUMBER |  | CUSTOMER  |  |
|   |  | D-SIZE                 |  | 111112   |  | SEE SHEET 4            |  | GENERAL MARKET  |  | SHEET NUMBER  |  |
|   |  |                        |  |  |  |                        |  |                 |  | 8 OF 8  |  |