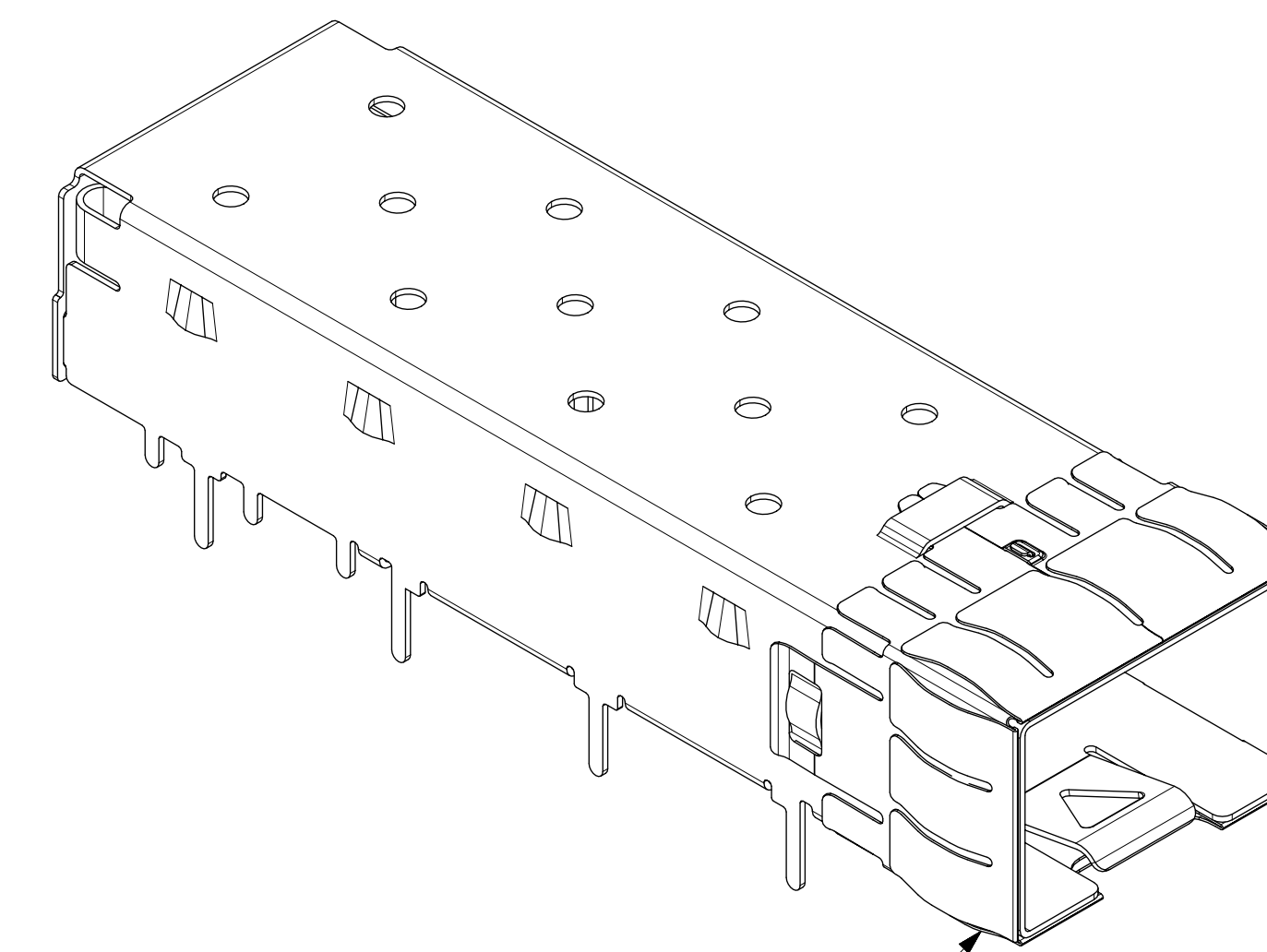
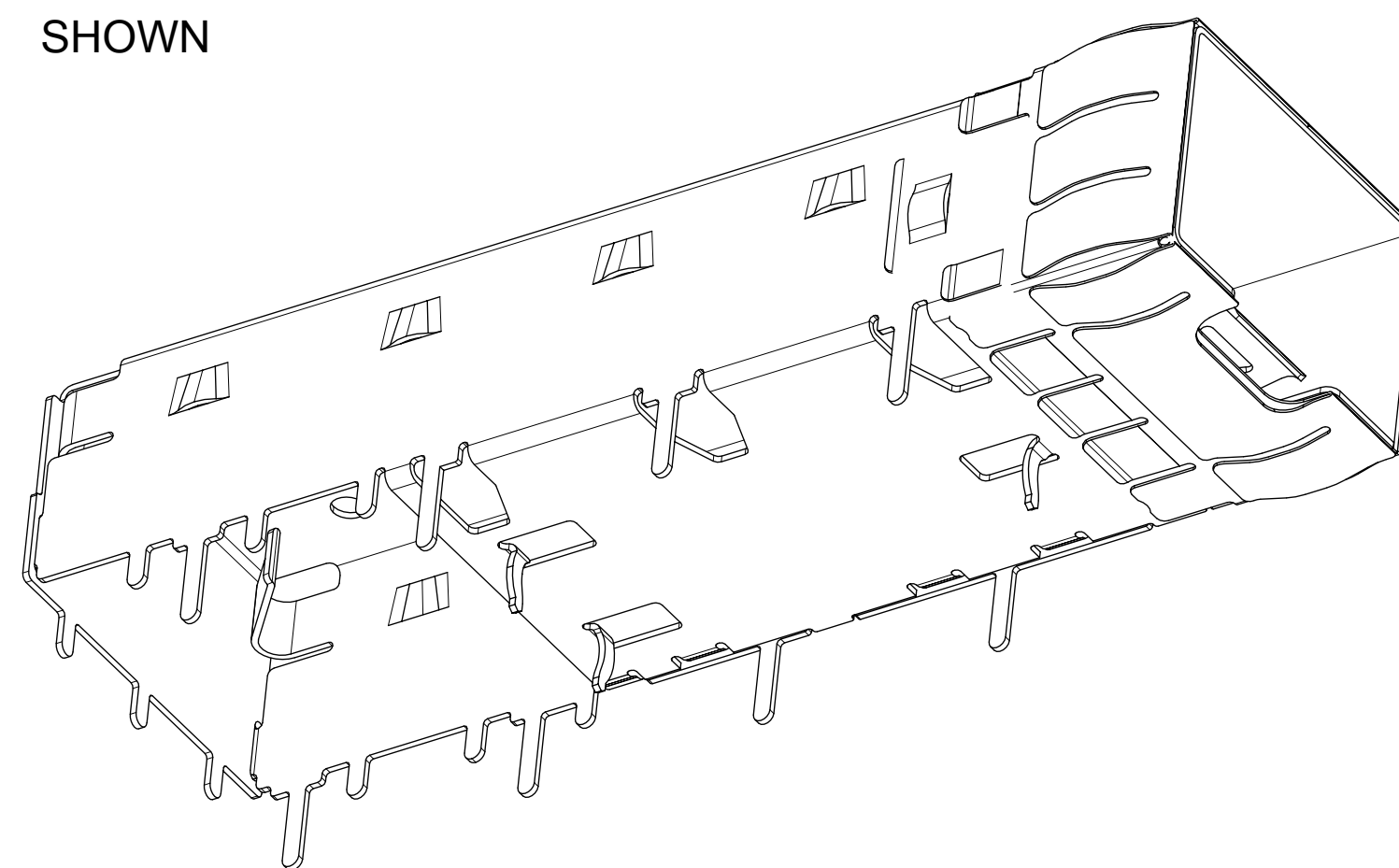
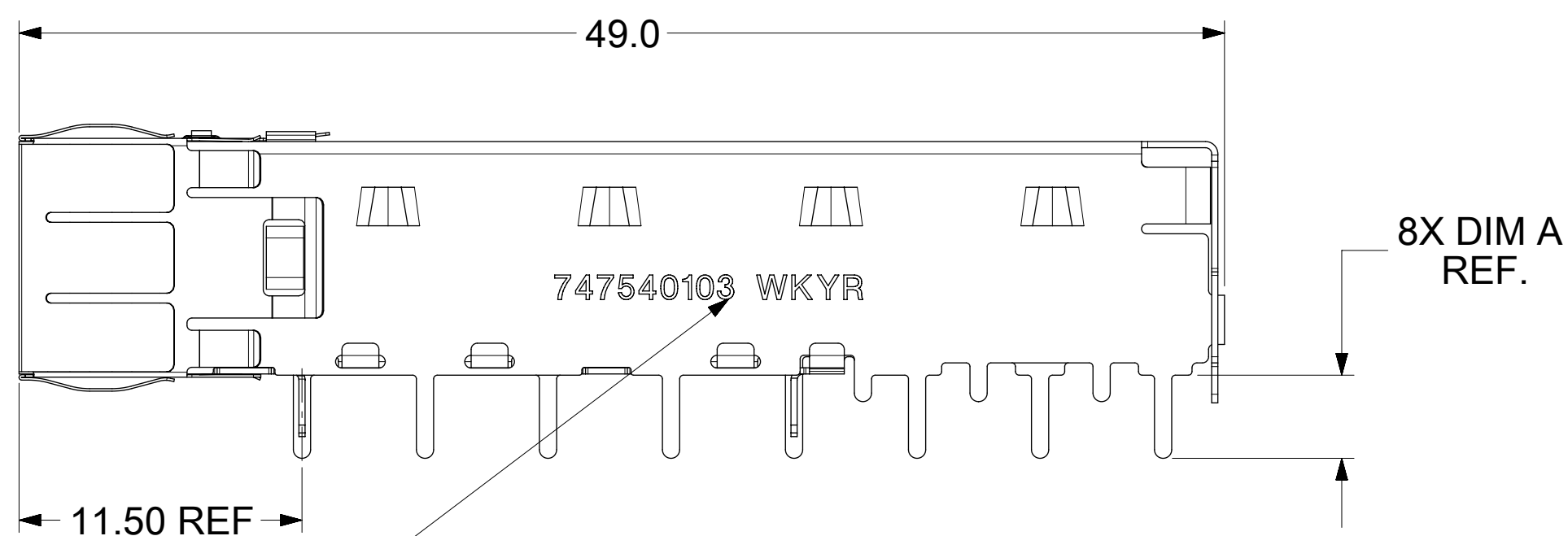
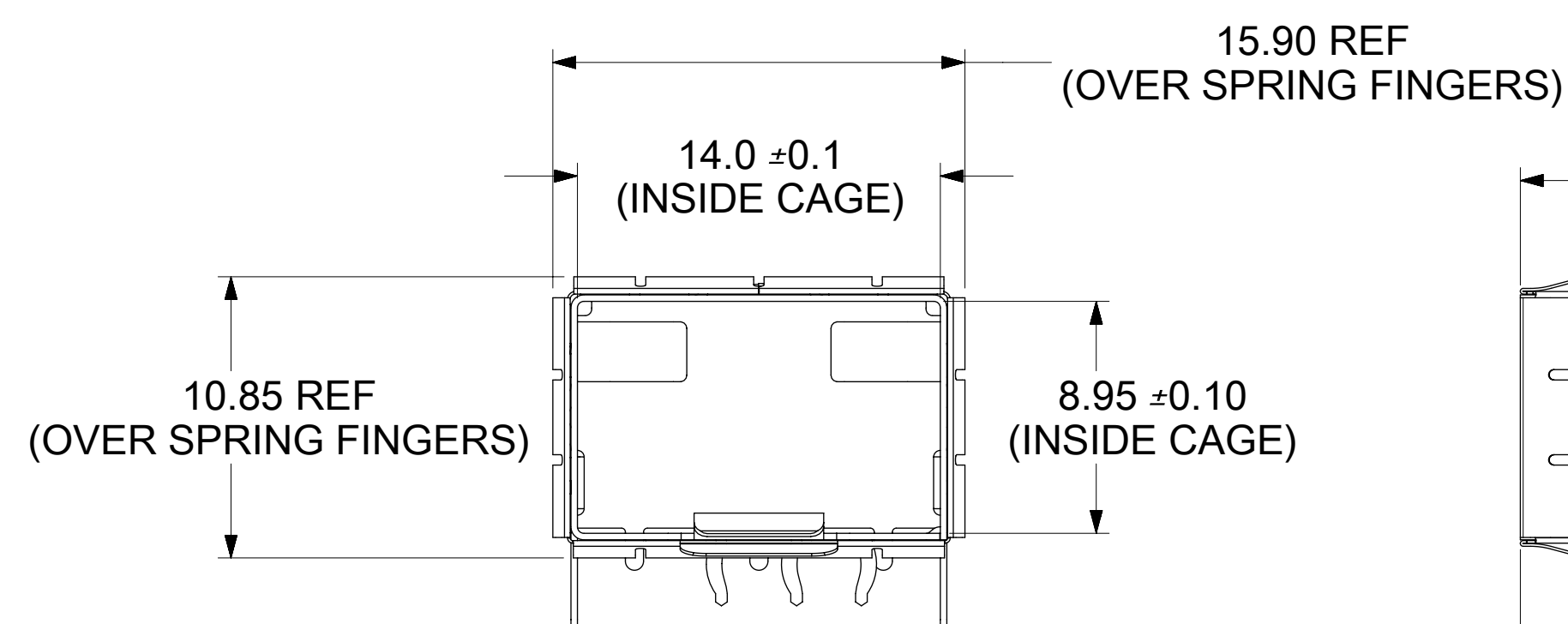


747540103

SHOWN



EMI SPRING



P/N AND WEEK/YEAR DATE CODE TO BE PRINTED / STAMPED ON THE SIDE OF COMPLETED CAGE ASSEMBLY AS SHOWN.

SEE TABLE BELOW FOR DATE CODE INFORMATION.

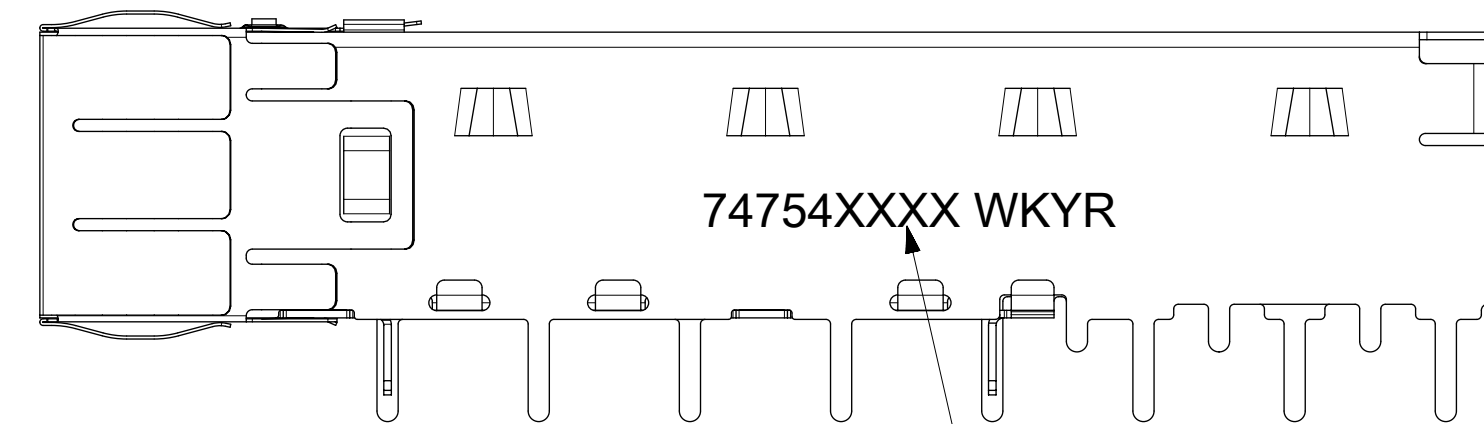
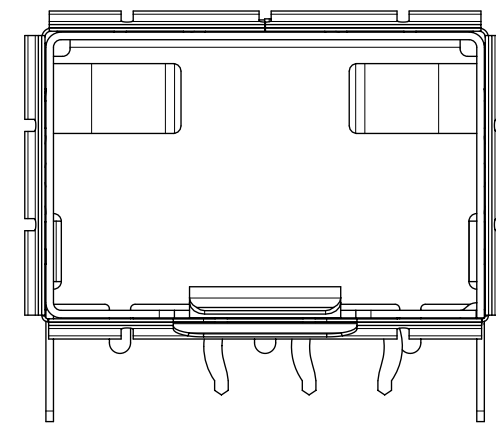
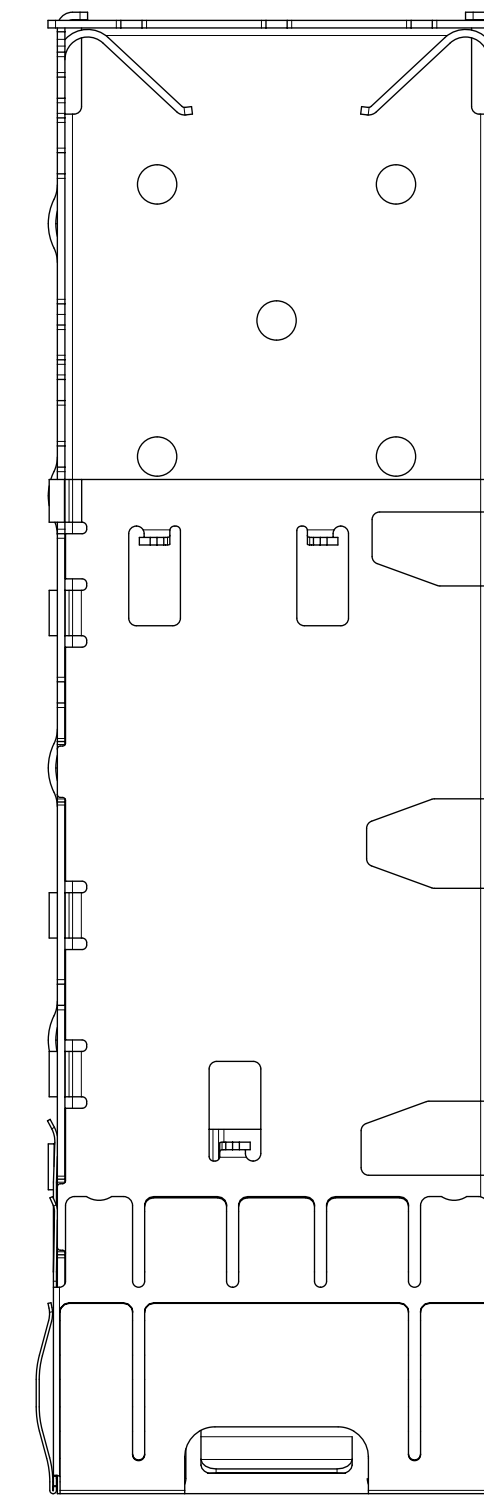
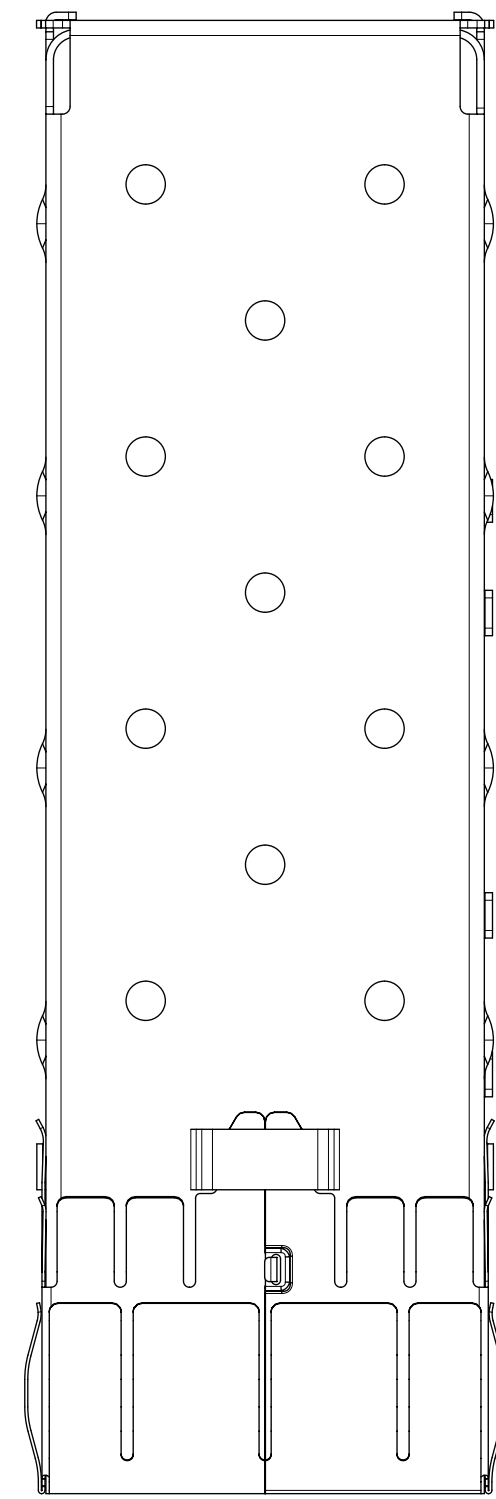
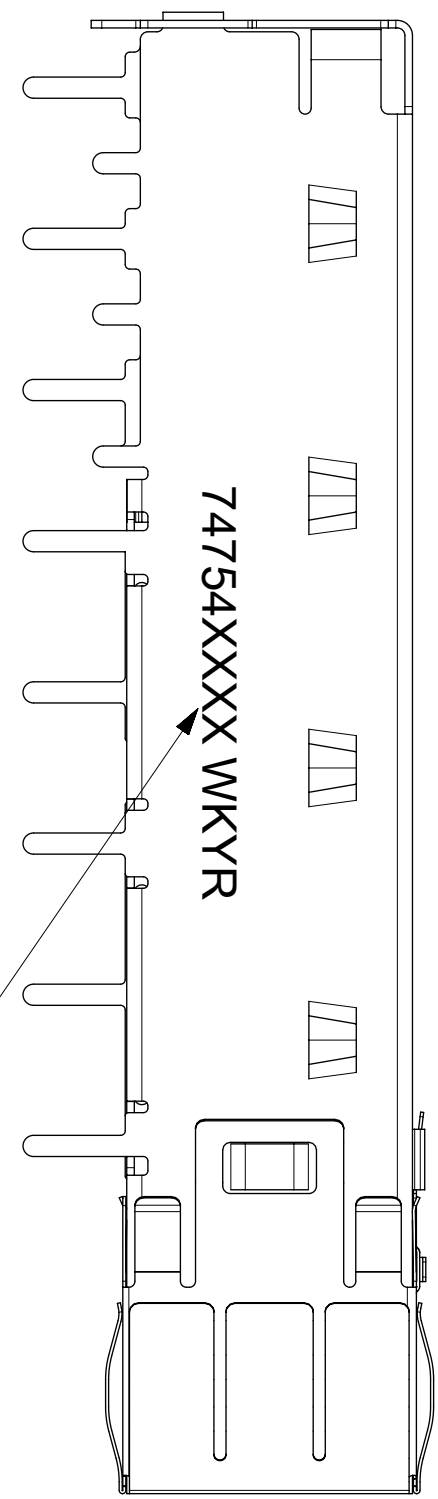
| WEEK/YEAR DATE CODE TABLE | |
|---------------------------|--|
| WK | WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR) |
| YR | 16, 17, 18 ETC.. (EXAMPLE: YEAR 2016= 16) |

| SFP+ 1X1 CAGE | | | | | |
|---------------|------------------------|--------|--------------|---------|-----------|
| PART NO. | PLATING | DIM, A | SF THICKNESS | PACKING | SHEET NO. |
| 747540103 | PRE-PLATED WITH NICKEL | 3.38 | 0.10mm | TRAY | SHEET 1 |
| 747540120 | UNPLATED | 3.38 | 0.10mm | TRAY | SHEET 2 |
| 747540134 | PRE-PLATED WITH NICKEL | 2.80 | 0.10mm | TRAY | SHEET 2 |
| 747540135 | MATT TIN | 2.80 | 0.10mm | TRAY | SHEET 2 |
| 747540906 | PRE-PLATED WITH NICKEL | 2.20 | 0.08mm | T & R | SHEET 2 |
| 747540907 | PRE-PLATED WITH NICKEL | 2.20 | 0.08mm | T & R | SHEET 3 |
| 747540909 | UNPLATED | 3.38 | 0.10mm | T & R | SHEET 2 |

NOTES:

- MATERIAL:
CAGE: COPPER ALLOY, THICKNESS 0.25mm
SPRING FINGER: NICKEL PLATED COPPER ALLOY (THICKNESS REFER P/N TABLE).
- OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE BACKWARDS COMPATIBLE WITH SFP TRANSCEIVERS
- NO RoHS EXEMPTIONS
- WITHOUT ANY DISCOLORATION AFTER IR REFLOW TEST (REFER TO PS OF 747540001)

| | | | | | |
|--------------------|---|--------------------|--------------------------------------|---------------------------|--|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: SEE REVISION TABLE | | |
| | FA = 0 | mm | SCALE 4:1 | | |
| DIVISIONAL SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 640094 | | SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS |
| | EA = 0 | ANGULAR TOL ± 1.0° | | DRWN: TKUMARKC 2020/05/26 | |
| FUNCTIONAL SYMBOLS | 4 PLACES ± | | CHK'D: SMALLESHAPPA 2020/06/23 | | PRODUCT CUSTOMER DRAWING |
| | 3 PLACES ± | | APPR: JCHIANG 2020/06/25 | | |
| FUNCTIONAL SYMBOLS | 2 PLACES ± 0.15 | | INITIAL REVISION: | | DOCUMENT NUMBER 747540103 |
| | 1 PLACE ± 0.25 | | DRWN: BTEJA 2016/02/29 | | |
| FUNCTIONAL SYMBOLS | 0 PLACES ± | | APPR: RCHEN08 2016/03/08 | | DOC TYPE PSD DOC PART ASY REVISION U |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | | |
| DRAWING | | SERIES | | MATERIAL NUMBER | |
| D-SIZE | | 74754 | | SEE P/N TABLE | |
| CUSTOMER | | SHEET NUMBER | | 1 OF 8 | |



P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY AS SHOWN.

SEE TABLE BELOW FOR DATE CODE INFORMATION.

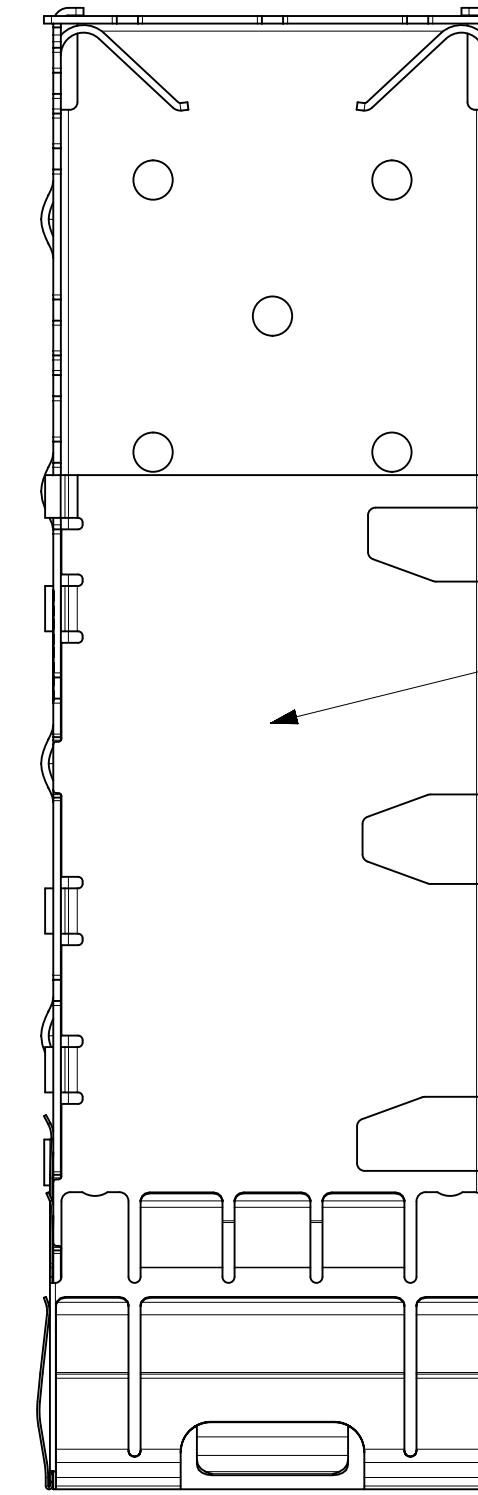
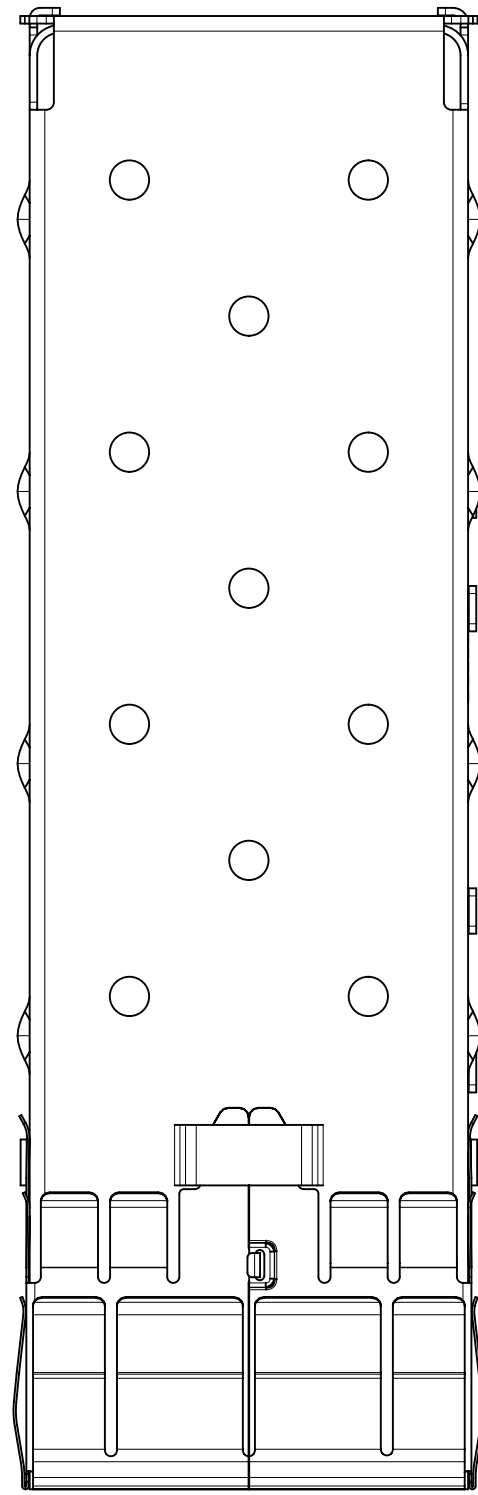
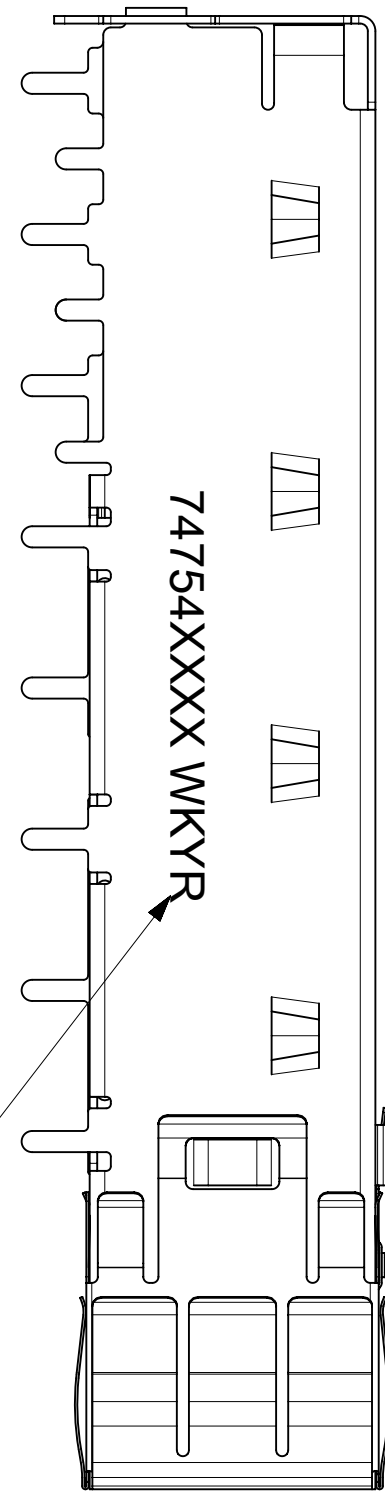
| WEEK/YEAR DATE CODE TABLE | |
|---------------------------|--|
| WK | WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR) |
| YR | 16, 17, 18 ETC.. (EXAMPLE: YEAR 2016= 16) |

NOTES:

1. ALL DIMENSIONS ARE REFER TO SHEET 1

| PART NO. |
|-----------|
| 747540120 |
| 747540134 |
| 747540135 |
| 747540906 |
| 747540909 |

| | | | | | | | |
|--|----|---|-----|---------------------------------------|--|--------------------------------|--|
| FUNCTIONAL SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: SEE REVISION TABLE | | | |
| $\nabla_A = 0$ | mm | SCALE | 4:1 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | |
| $\nabla_C = 0$ | | ANGULAR TOL $\pm 1.0^\circ$ | | 4 PLACES \pm | | EC NO: 640094 | |
| $\nabla_D = 0$ | | 3 PLACES \pm | | 2 PLACES ± 0.15 | | DRWN: TKUMARKC 2020/05/26 | |
| DIVISIONAL SYMBOLS | | 1 PLACE ± 0.25 | | 0 PLACES \pm | | CHK'D: SMALLESHAPPA 2020/06/23 | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | | DRAWING | | SERIES | |
| | | | | D-SIZE | | 74754 | |
| DOCUMENT STATUS | | P1 | | RELEASE DATE | | 2020/06/25 16:41:47 | |
| DOCUMENT NUMBER | | 747540103 | | DOC TYPE | | PSD ASY U | |
| MATERIAL NUMBER | | SEE P/N TABLE | | CUSTOMER | | SHEET NUMBER | |
| | | | | | | 2 OF 8 | |

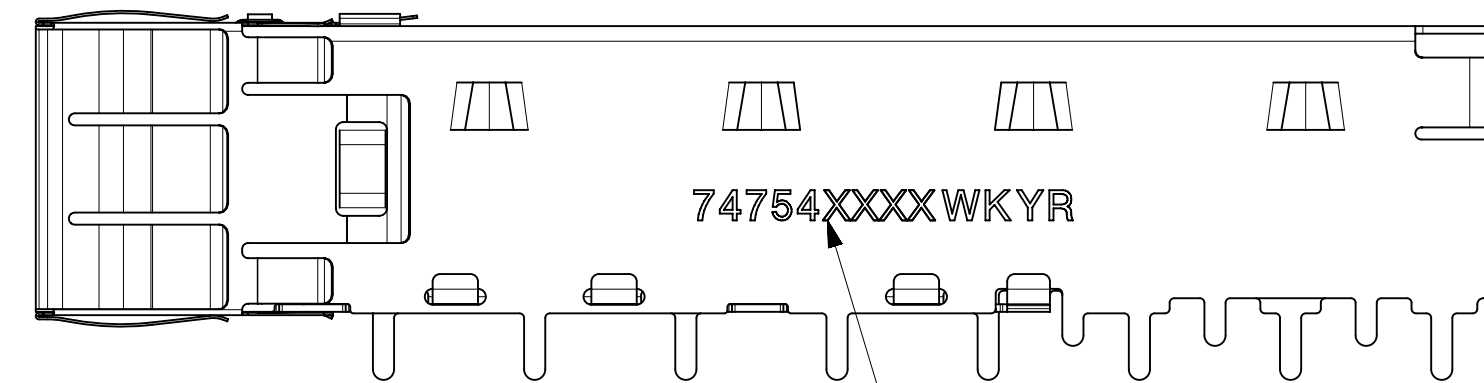
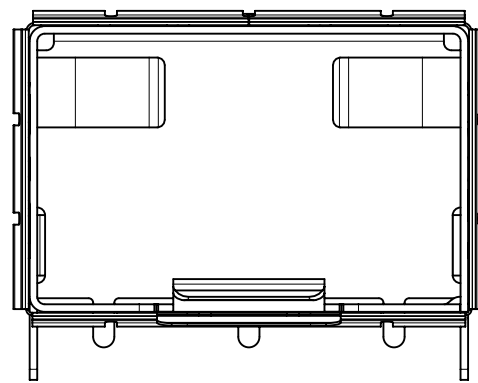


WITHOUT THREE BOTTOM LEGS

P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY AS SHOWN.

SEE TABLE BELOW FOR DATE CODE INFORMATION.

| 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 | 16, 17, 18 ETC.. (EXAMPLE: YEAR 2016= 16) |



MOLEX INTERNAL USE ONLY

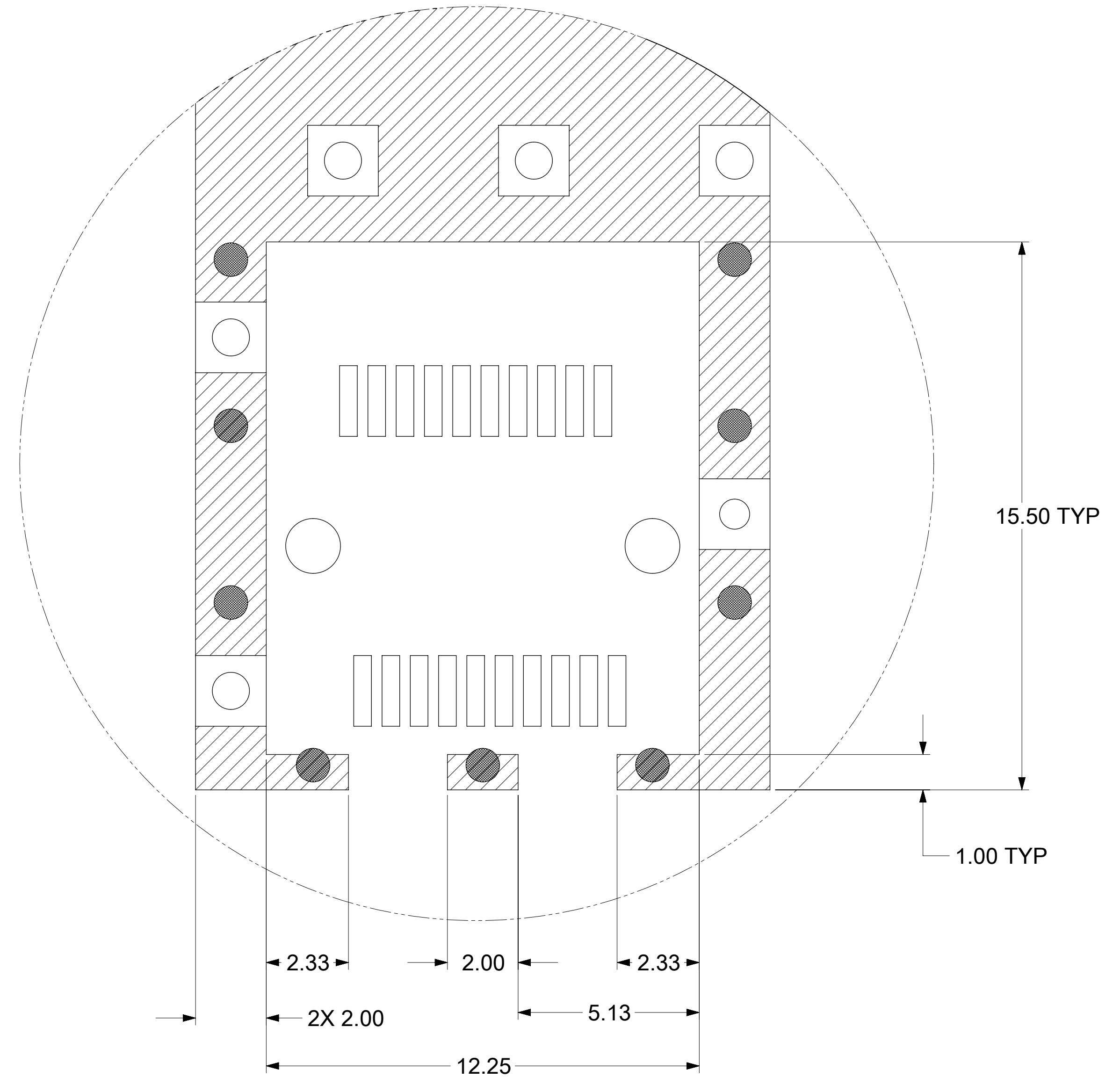
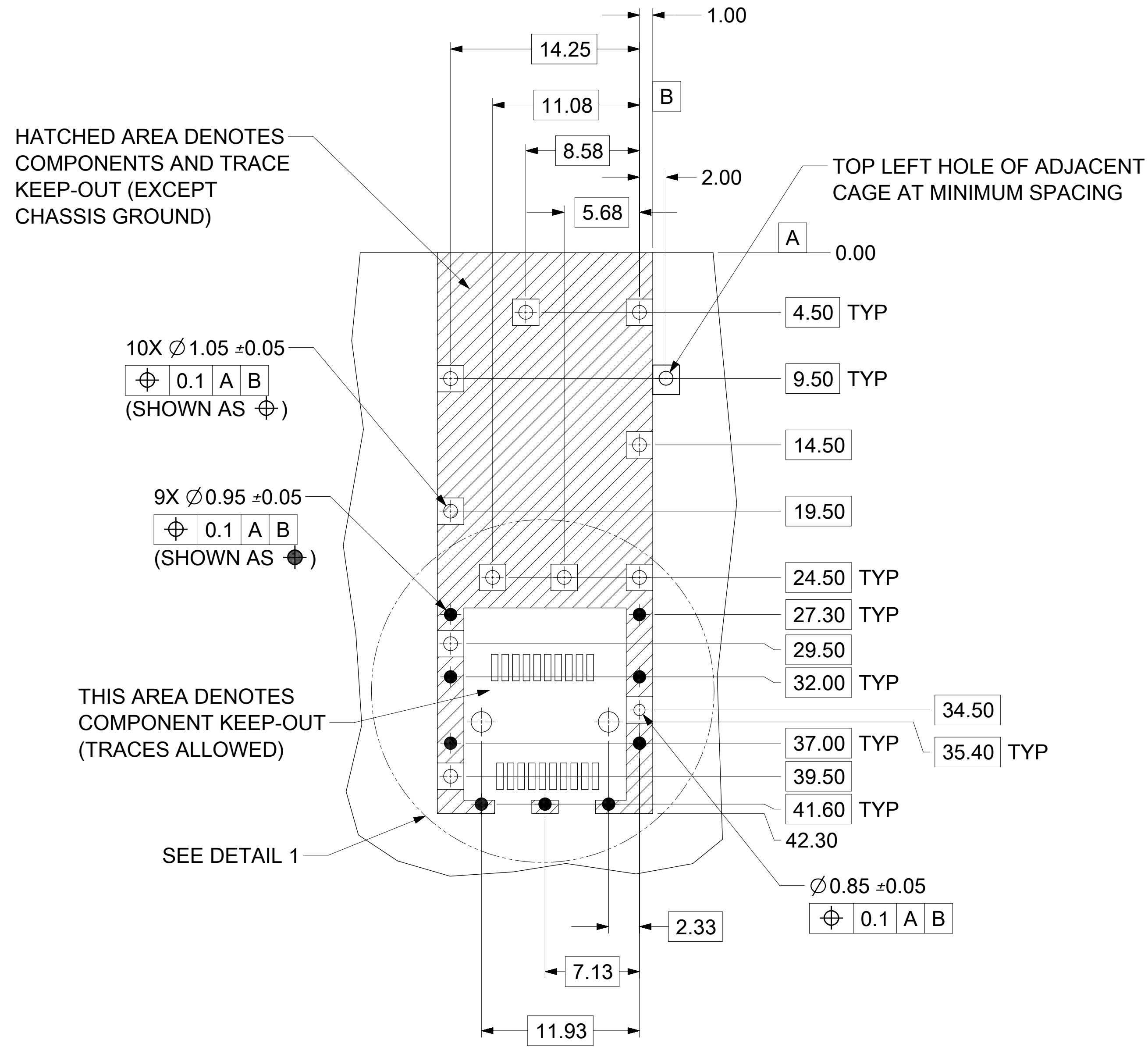
NOTES:

1. ALL DIMENSIONS ARE REFER TO SHEET 1

PART NO.
747540907

| | | | | | | | |
|--|---|----------------------------|---|------------------------|-------------------------------------|--|-------------------------------|
| FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$ DIVISIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: SEE REVISION TABLE | | | | |
| | DIMENSION UNITS mm | SCALE 4:1 | GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 1.0^\circ$ 4 PLACES \pm 3 PLACES \pm 2 PLACES ± 0.15 1 PLACE ± 0.25 0 PLACES \pm | | | EC NO: 640094 DRWN: TKUMARKC 2020/05/26 CHK'D: SMALLESHAPPA 2020/06/23 APPR: JCHIANG 2020/06/25 | PRODUCT CUSTOMER DRAWING |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING D-SIZE | SERIES 74754 | MATERIAL NUMBER 747540103 | CUSTOMER PSD ASY U | SHEET NUMBER 3 OF 8 |

PCB LAYOUT FOR SINGLE SIDE MOUNT



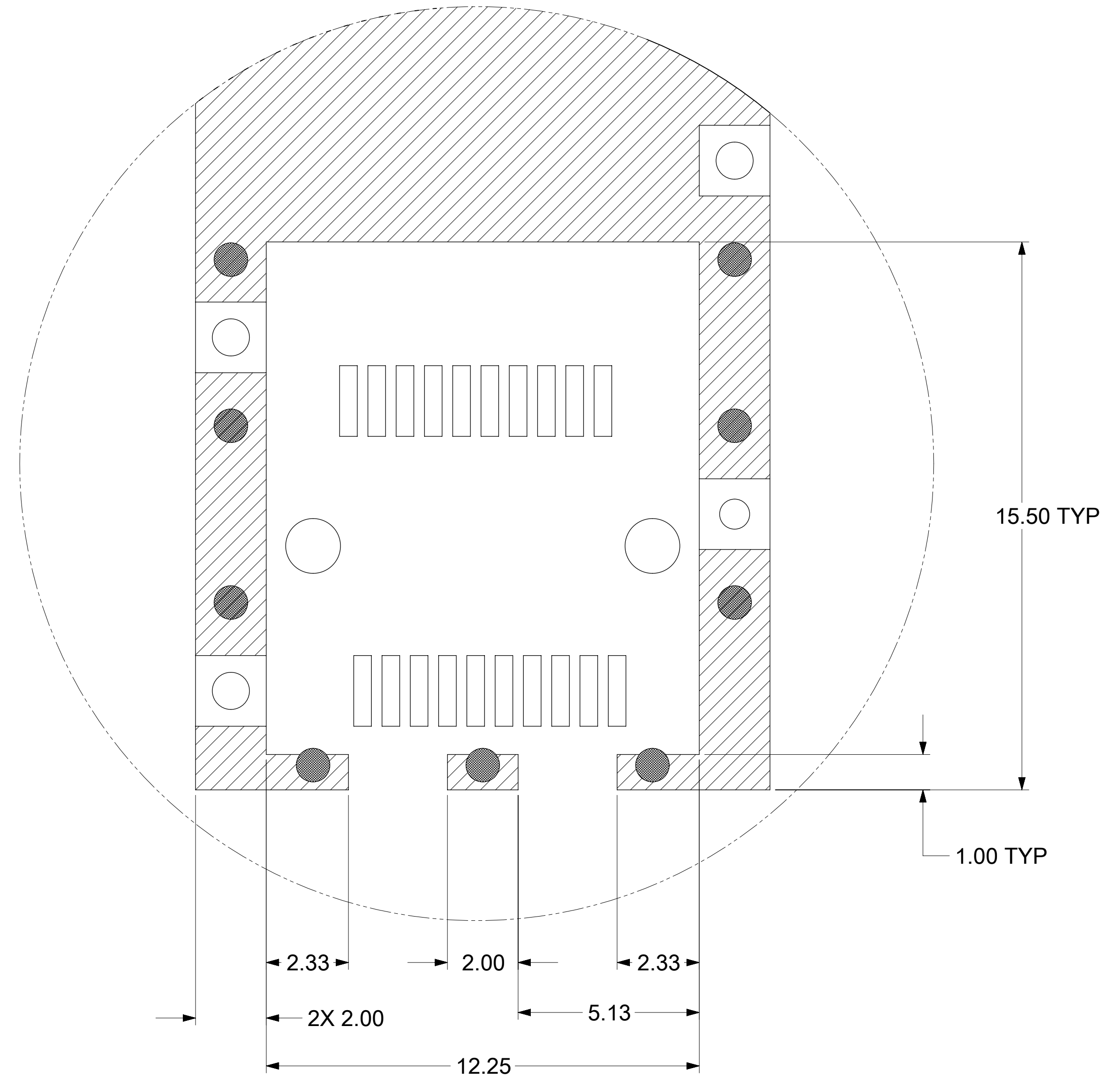
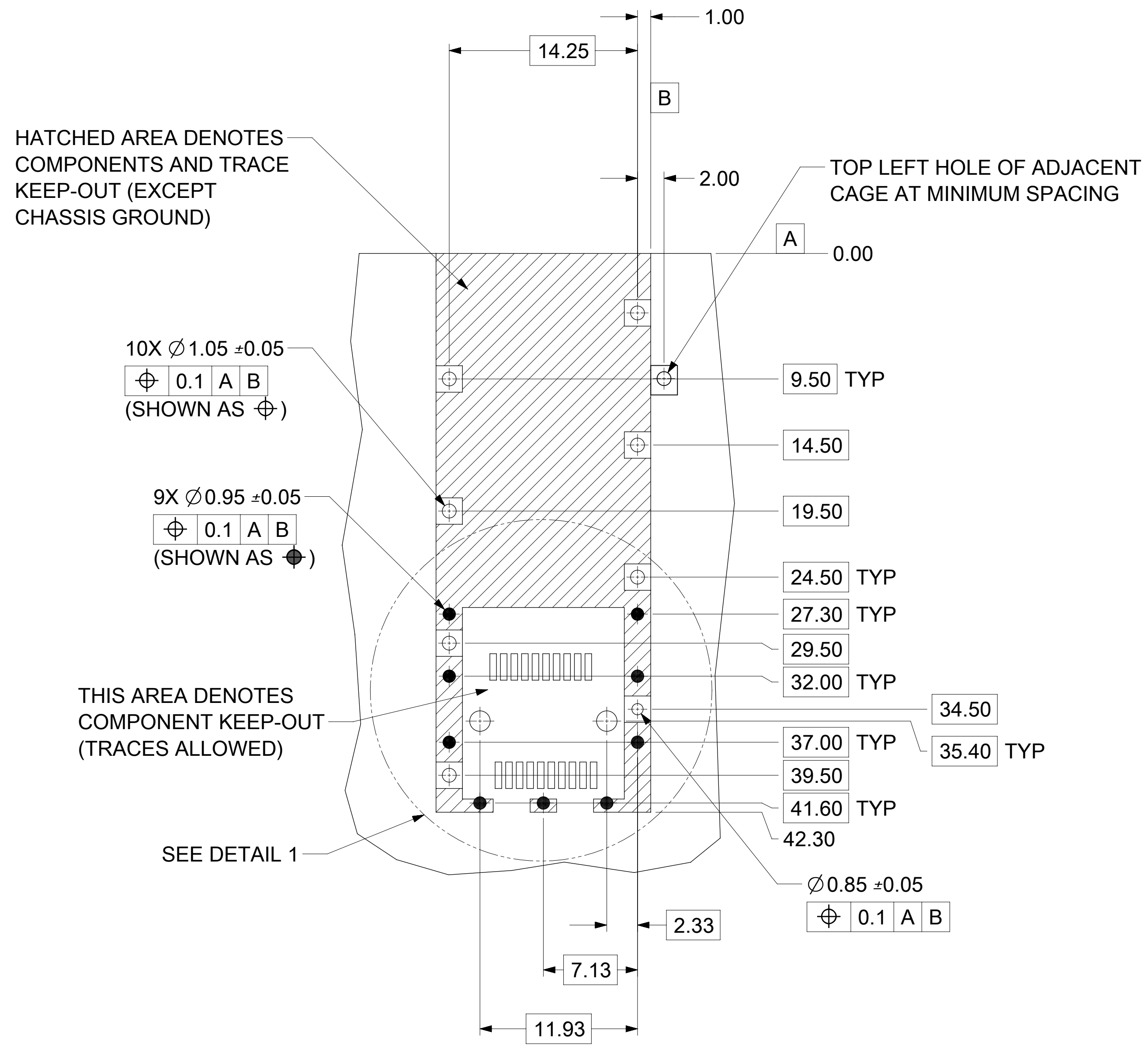
DETAIL 1
SCALE 10:1
HOST CONNECTOR DETAIL

- 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 ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.

| | | | | |
|--|---|------------------------|--------------------------------------|------------|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | CURRENT REV DESC: SEE REVISION TABLE | |
| | DIMENSION UNITS | SCALE | | |
| $\nabla_A = 0$ | mm | 4:1 | | |
| $\nabla_C = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | |
| $\nabla_P = 0$ | ANGULAR TOL $\pm 1.0^\circ$ | | | |
| DIVISIONAL SYMBOLS | 4 PLACES | \pm | EC NO: 640094 | |
| | 3 PLACES | \pm | DRWN: TKUMARKC | 2020/05/26 |
| | 2 PLACES | ± 0.15 | CHK'D: SMALLESHAPPA | 2020/06/23 |
| | 1 PLACE | ± 0.25 | APPR: JCHIANG | 2020/06/25 |
| | 0 PLACES | \pm | INITIAL REVISION: | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING | SERIES |
| | | | D-SIZE | 74754 |
| DOCUMENT STATUS | | RELEASE DATE | MATERIAL NUMBER | CUSTOMER |
| P1 | 2020/06/25 16:41:47 | 747540103 | SEE P/N TABLE | |
| PRODUCT CUSTOMER DRAWING | | | DOC TYPE | DOC PART |
| | | | PSD | ASY |
| | | | REVISION | U |
| SHEET NUMBER | | | 4 OF 8 | |

PCB LAYOUT FOR SINGLE SIDE MOUNT

ONLY FOR 747540907



DETAIL 1
 SCALE 10:1
 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 ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.

| | | | |
|--|---|------------------------|---|
| 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 |
| $F_A = 0$ | mm | 4:1 | |
| $F_C = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| $F_D = 0$ | ANGULAR TOL $\pm 1.0^\circ$ | | |
| DIVISIONAL SYMBOLS | 4 PLACES | \pm | EC NO: 640094 |
| | 3 PLACES | \pm | DRWN: TKUMARKC 2020/05/26 |
| | 2 PLACES | ± 0.15 | CHK'D: SMALLESHAPPA 2020/06/23 |
| | 1 PLACE | ± 0.25 | APPR: JCHIANG 2020/06/25 |
| | 0 PLACES | \pm | INITIAL REVISION: DRWN: BTEJA 2016/02/29 APPR: RCHEN08 2016/03/08 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING |
| | | | SERIES |
| | | | MATERIAL NUMBER |
| | | D-SIZE | CUSTOMER |
| | | 74754 | SEE P/N TABLE |
| DOCUMENT NUMBER | | | DOC TYPE DOC PART REVISION |
| 747540103 | | | PSD ASY U |
| SHEET NUMBER | | | 5 OF 8 |

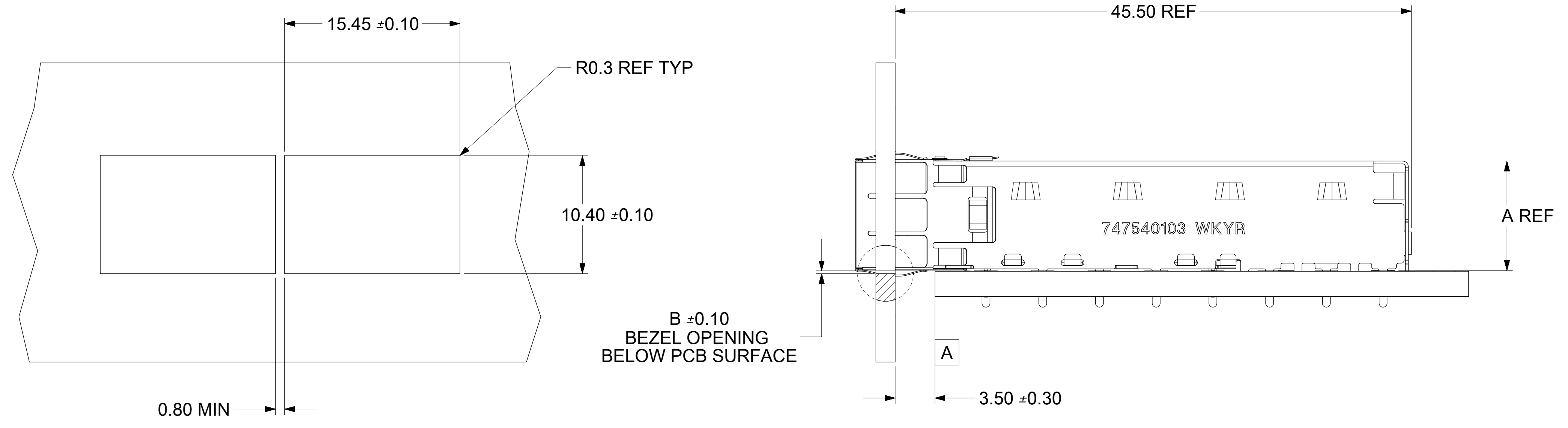
molex

SFP+ 1X1 CAGE ASSEMBLY
 WITH SPRING FINGERS AND SOLDER POST LEGS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 747540103
 DOC TYPE: PSD
 DOC PART: ASY
 REVISION: U

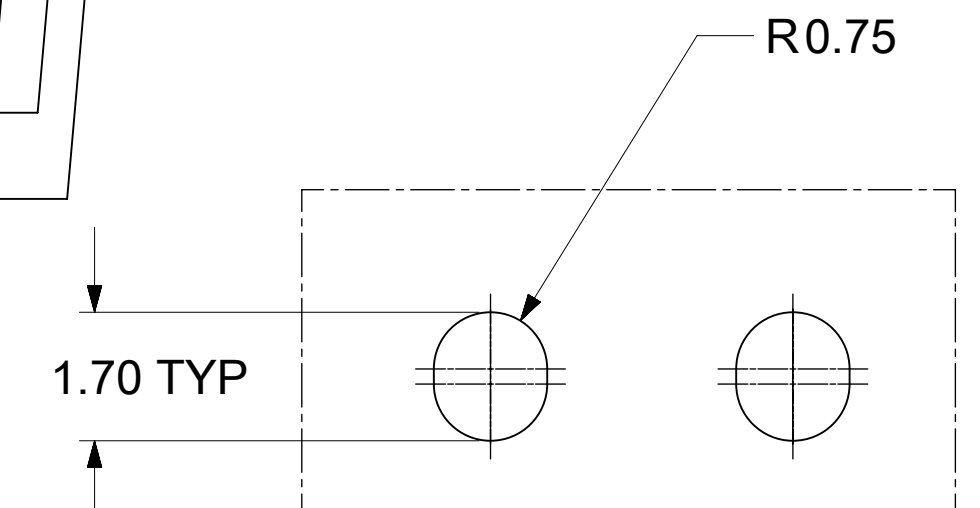
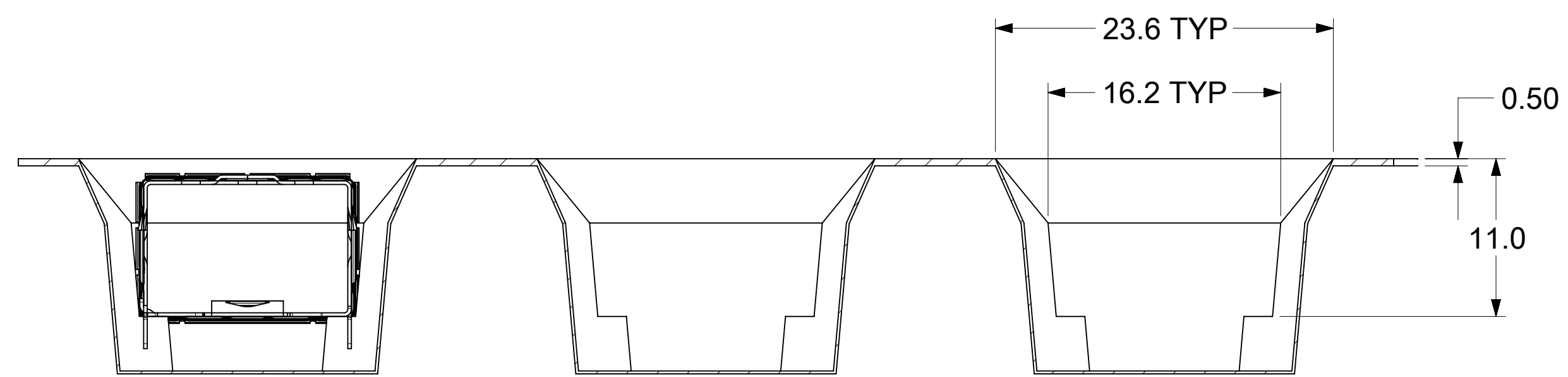
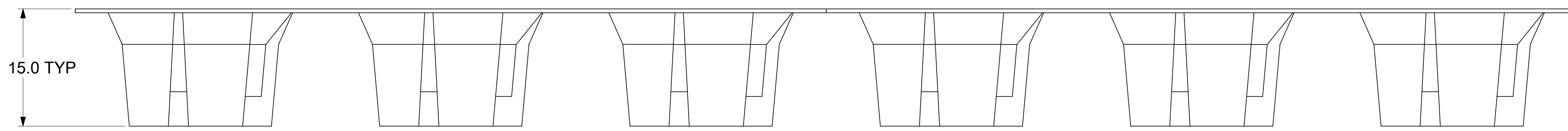
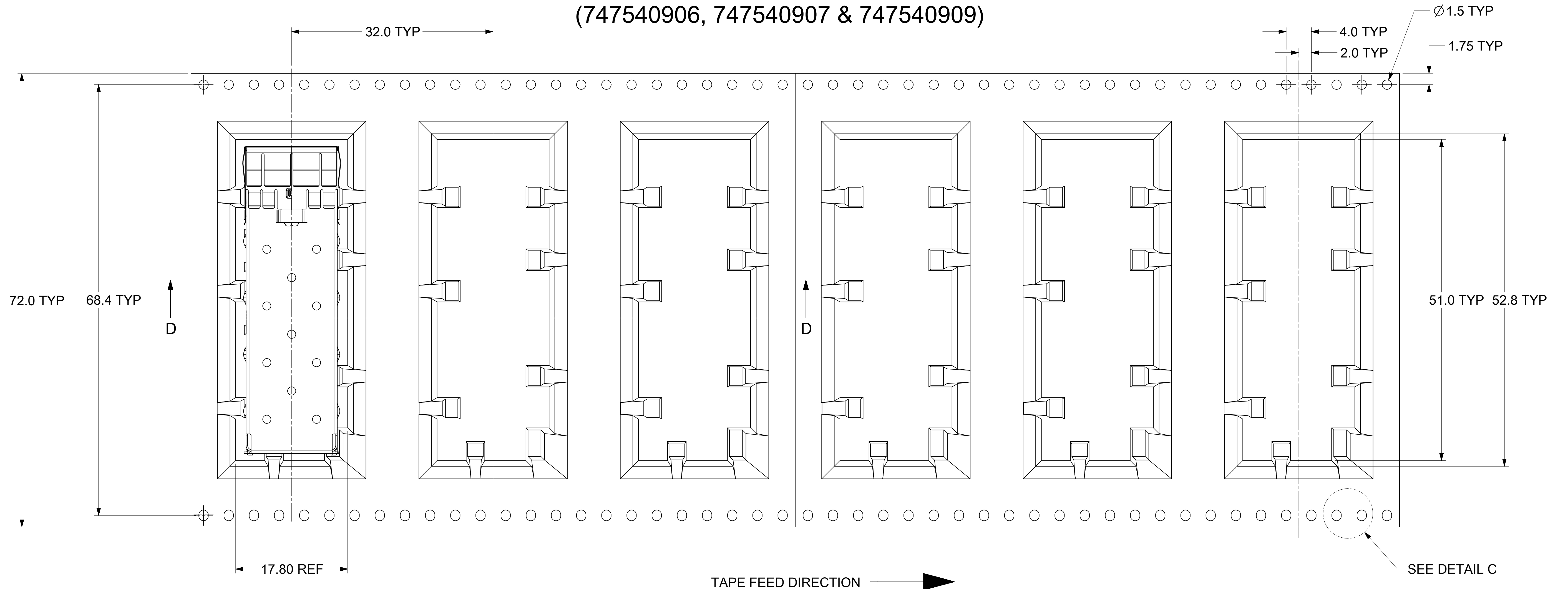
BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (SPRING FINGER)



| SFP+ 1X1 CAGE | | |
|---------------|--------|-------|
| PART NO. | DIME A | DIM B |
| 747540103 | 9.47 | 0.43 |
| 747540120 | 9.47 | 0.43 |
| 747540134 | 9.65 | 0.25 |
| 747540135 | 9.65 | 0.25 |
| 747540906 | 9.47 | 0.43 |
| 747540907 | 9.47 | 0.43 |
| 747540909 | 9.47 | 0.43 |

| | | | | | | | | |
|---|---|--------------------------------------|--|------------------------|--------------------------|-----------------------------------|----------------------|---|
| FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$ | DIMENSION UNITS: mm SCALE: 4:1 | CURRENT REV DESC: SEE REVISION TABLE | | | | | | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 1.0^\circ$ | | EC NO: 640094 DRWN: TKUMARKC 2020/05/26 CHK'D: SMALLESHAPPA 2020/06/23 APPR: JCHIANG 2020/06/25 | | | | | SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS |
| | DIVISIONAL SYMBOLS 4 PLACES \pm 3 PLACES \pm 2 PLACES ± 0.15 1 PLACE ± 0.25 0 PLACES \pm | | INITIAL REVISION: DRWN: BTEJA 2016/02/29 APPR: RCHEN08 2016/03/08 | | PRODUCT CUSTOMER DRAWING | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74754 | DOCUMENT NUMBER: 747540103 | DOC TYPE: PSD | DOC PART: ASY |

TAPE & REEL DETAIL FOR P/N (747540906, 747540907 & 747540909)



DETAIL C
SCALE 10:1

| | | |
|--|---|----------------------------|
| 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 |
| $\nabla_A = 0$ | mm | 3:1 |
| $\nabla_C = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| $\nabla_D = 0$ | ANGULAR TOL $\pm 1.0^\circ$ | |
| DIVISIONAL SYMBOLS | 4 PLACES | \pm |
| | 3 PLACES | \pm |
| | 2 PLACES | ± 0.15 |
| | 1 PLACE | ± 0.25 |
| | 0 PLACES | \pm |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION |
| | | |
| | | DRAWING SERIES |
| | | D-SIZE 74754 |
| | | MATERIAL NUMBER |
| | | SEE P/N TABLE |
| | | CUSTOMER |
| | | SHEET NUMBER |
| | | 7 OF 8 |
| EC NO: 640094 | | |
| DRWN: TKUMARKC 2020/05/26 | | |
| CHK'D: SMALLESHAPPA 2020/06/23 | | |
| APPR: JCHIANG 2020/06/25 | | |
| INITIAL REVISION: | | |
| DRWN: BTEJA 2016/02/29 | | |
| APPR: RCHEN08 2016/03/08 | | |
| DOCUMENT NUMBER | | DOC TYPE DOC PART REVISION |
| 747540103 | | PSD ASY U |
| MATERIAL NUMBER | | CUSTOMER |
| SEE P/N TABLE | | |

molex

SFP+ 1X1 CAGE ASSEMBLY
WITH SPRING FINGERS AND SOLDER POST LEGS

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

747540103

PSD ASY U

MATERIAL NUMBER CUSTOMER SHEET NUMBER

SEE P/N TABLE

7 OF 8