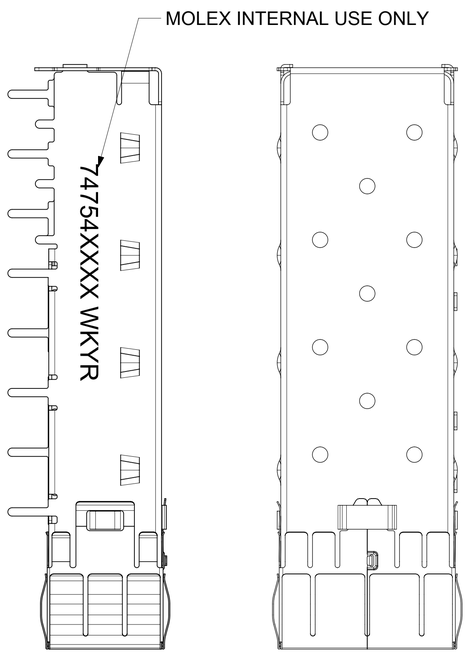
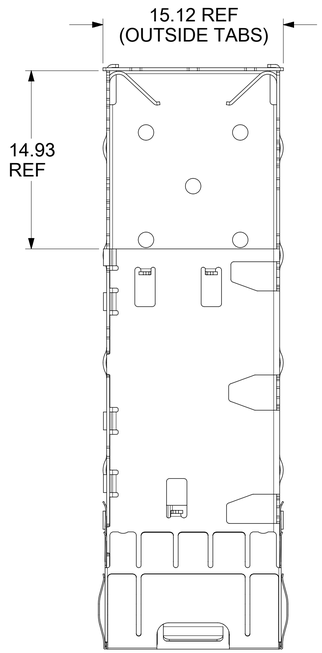
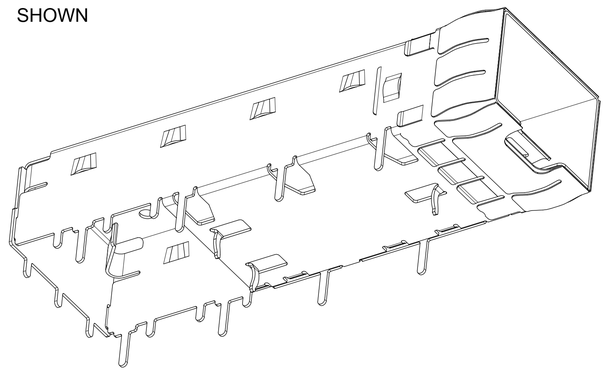


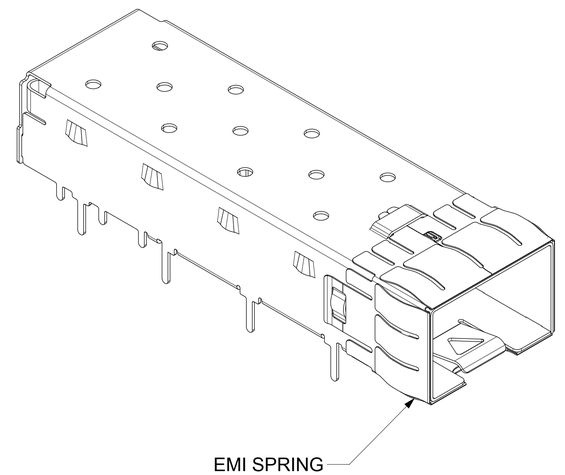


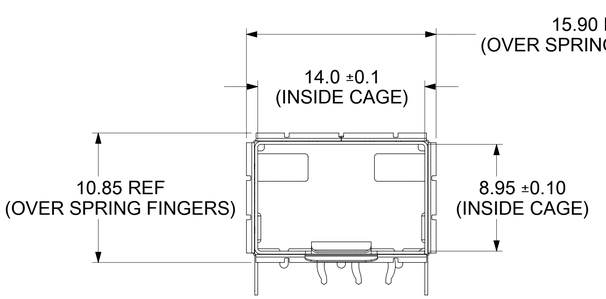



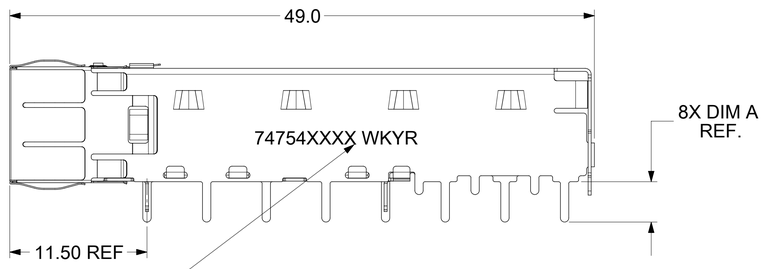

747547103

SHOWN






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<br>(EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR |
| YR | 22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22) |

| SFP+ 1X1 CAGE | | | | | |
|---|---|---|---|---|---|
| PART NO. | PLATING | DIM, A | SF THICKNESS | PACKING | SHEET NO. |
| 747547103 | PRE-PLATED WITH NICKEL | 3.38 | 0.10mm | TRAY | SHEET 1 |
| 747548134 | PRE-PLATED WITH NICKEL | 2.80 | 0.10mm | TRAY | SHEET 1 |
| 747548909 | UNPLATED | 3.38 | 0.10mm | T & R | SHEET 1 |
| 747548907 | PRE-PLATED WITH NICKEL | 2.20 | 0.08mm | T & R | SHEET 2 |

NOTES:

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

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 10:20:23 |
|---|---|---|---|

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

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

DIMENSION UNITS | SCALE 4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 1.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.15 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
DRWN: CHETHH2 2022/05/26
CHK'D: TKUMARKC 2022/05/26
APPR: SCHIEN 2022/05/27

INITIAL REVISION:
DRWN: ABHILT2 2022/04/11
APPR: SCHIEN 2022/05/19

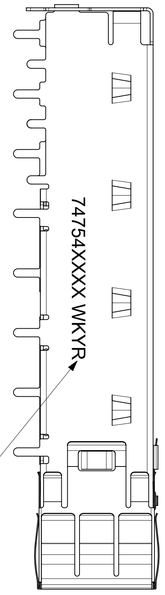
molex

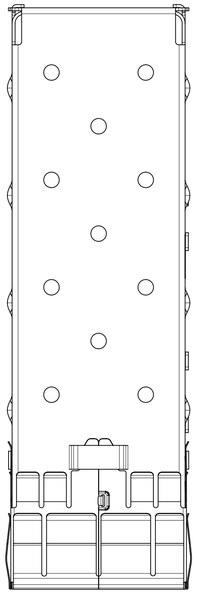
SFP+ 1X1 CAGE ASSEMBLY
WITH SUS SPRING FINGERS AND SOLDER POST LEGS

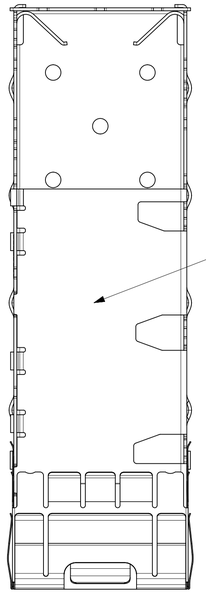
PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 747547103 | PSD | ASY | B |

THIRD ANGLE PROJECTION | DRAWING D-SIZE | SERIES 74754 | MATERIAL NUMBER SEE P/N TABLE | CUSTOMER | SHEET NUMBER 1 OF 7



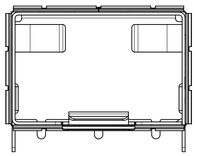



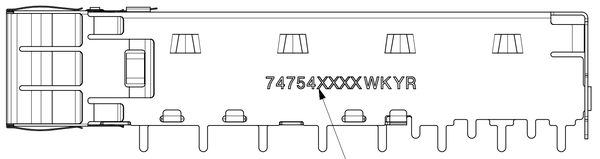



P/N AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY AS SHOWN.

SEE TABLE BELOW FOR DATE CODE INFORMATION.

| WEEK/YEAR DATE CODE TABLE | |
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| YR | 22, 23, 24 ETC.. (EXAMPLE: YEAR 2022= 22) |






| PART NO. |
|---|
| 747548907 |

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

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

| DIMENSION UNITS | SCALE |
|---|---|
| | 4:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 1.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.15 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
DRWN: CHETHH2 2022/05/26
CHK'D: TKUMARKC 2022/05/26
APPR: SCHIEN 2022/05/27

INITIAL REVISION:
DRWN: ABHILT2 2022/04/11
APPR: SCHIEN 2022/05/19

THIRD ANGLE PROJECTION

molex

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

PRODUCT CUSTOMER DRAWING

| DRAWING | SERIES |
|---|---|
| D-SIZE | 74754 |

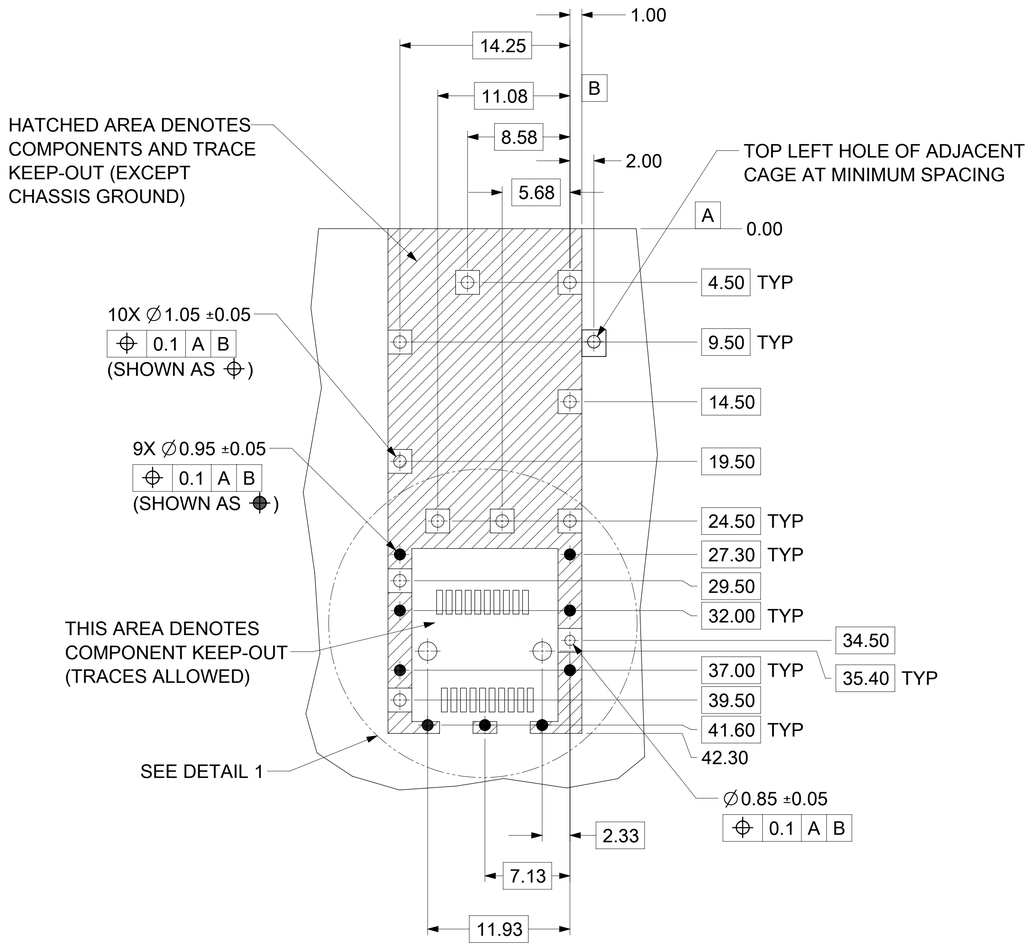
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|---|---|---|---|
| 747547103 | PSD | ASY | B |

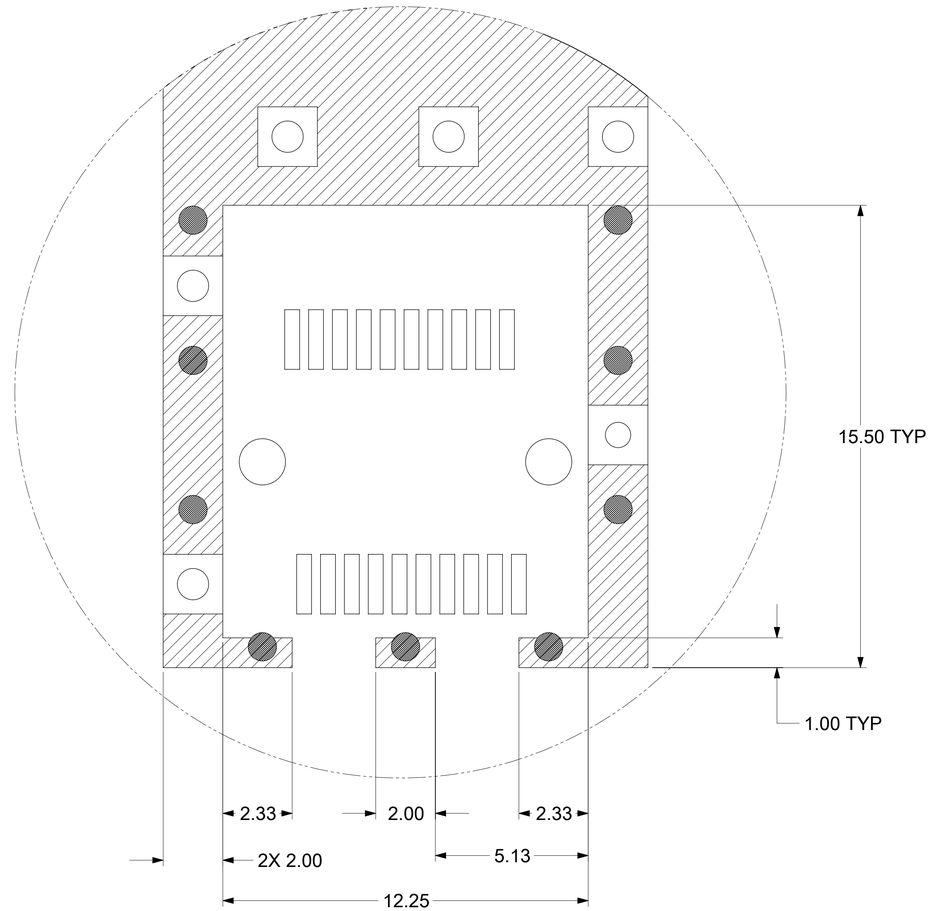
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE P/N TABLE | | 6 OF 7 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 10:20:23 |
|---|---|---|---|

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# PCB LAYOUT FOR SINGLE SIDE MOUNT




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.

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 10:20:23 |
|---|---|---|---|

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| | 4:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.15 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
DRWN: CHETHH2 2022/05/26
CHK'D: TKUMARKC 2022/05/26
APPR: SCHIEN 2022/05/27

INITIAL REVISION:
DRWN: ABHILT2 2022/04/11
APPR: SCHIEN 2022/05/19

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74754

molex

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

PRODUCT CUSTOMER DRAWING

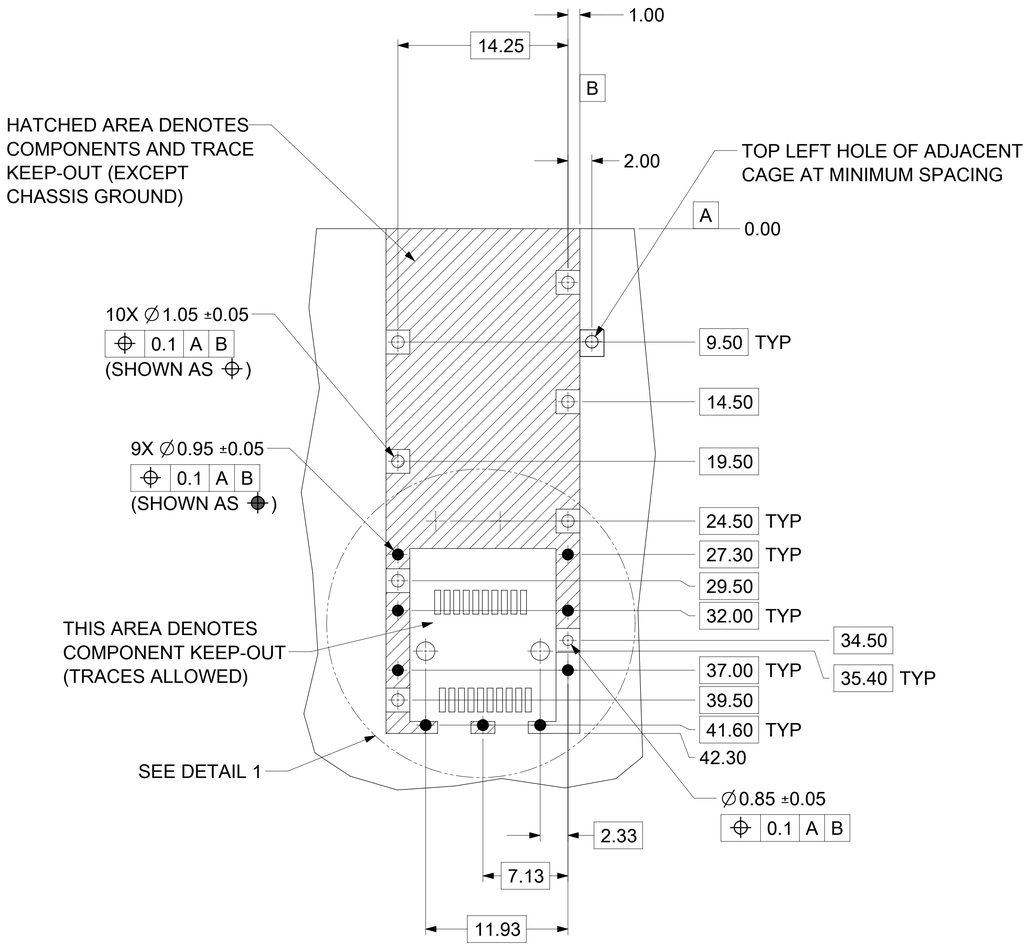
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 747547103 | PSD | ASY | B |

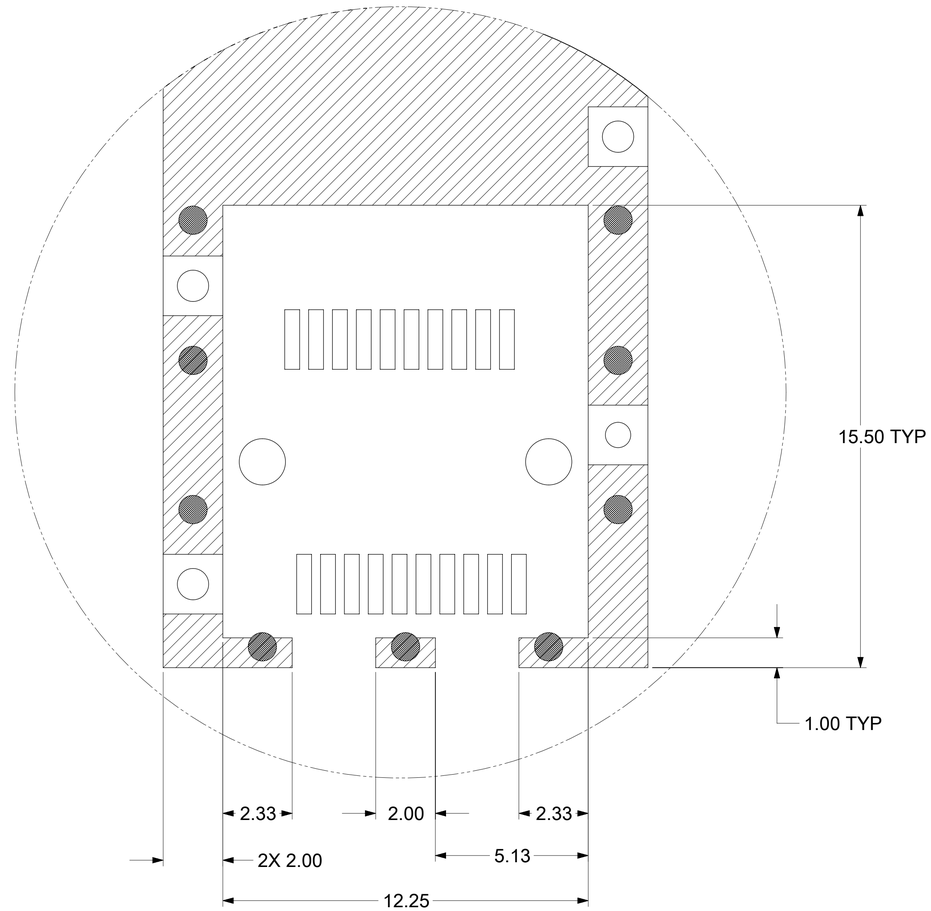
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE P/N TABLE | | 2 OF 7 |

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# PCB LAYOUT FOR SINGLE SIDE MOUNT

ONLY FOR 747548907




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.

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 10:20:23 |
|---|---|---|---|

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| | 4:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 1.0 ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.15 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
DRWN: CHETHH2 2022/05/26
CHK'D: TKUMARKC 2022/05/26
APPR: SCHIEN 2022/05/27

INITIAL REVISION:
DRWN: ABHILT2 2022/04/11
APPR: SCHIEN 2022/05/19

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 74754

molex

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

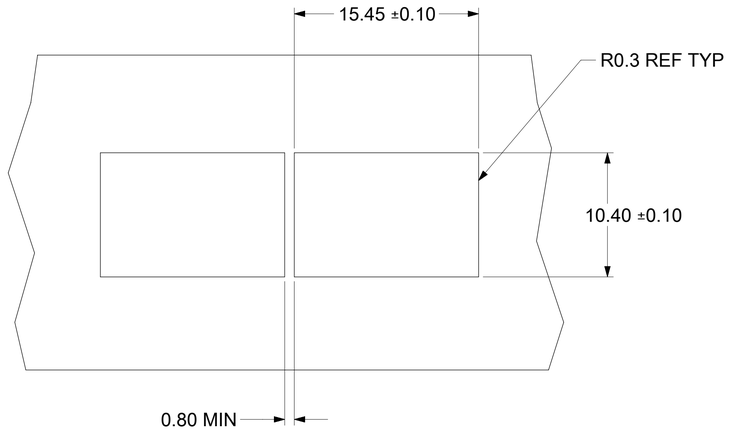
PRODUCT CUSTOMER DRAWING

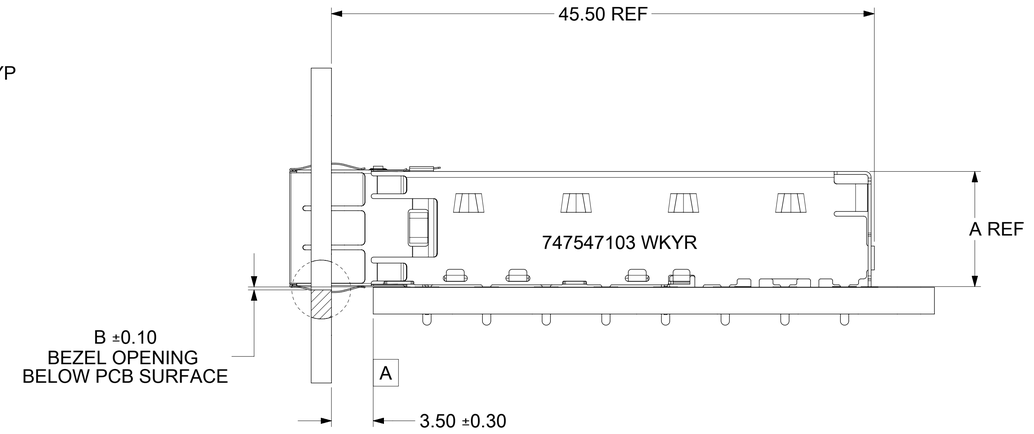
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 747547103 | PSD | ASY | B |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE P/N TABLE | | 7 OF 7 |

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




| SFP+ 1X1 CAGE | | |
|---|---|---|
| PART NO. | DIME A | DIM B |
| 747547103 | 9.47 | 0.43 |
| 747548134 | 9.65 | 0.25 |
| 747548909 | 9.47 | 0.43 |
| 747548907 | 9.47 | 0.43 |

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

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

| DIMENSION UNITS | SCALE |
|---|---|
| | 4:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.15 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
DRWN: CHETHH2 2022/05/26
CHK'D: TKUMARKC 2022/05/26
APPR: SCHIEN 2022/05/27

INITIAL REVISION:
DRWN: ABHILT2 2022/04/11
APPR: SCHIEN 2022/05/19

molex

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

PRODUCT CUSTOMER DRAWING

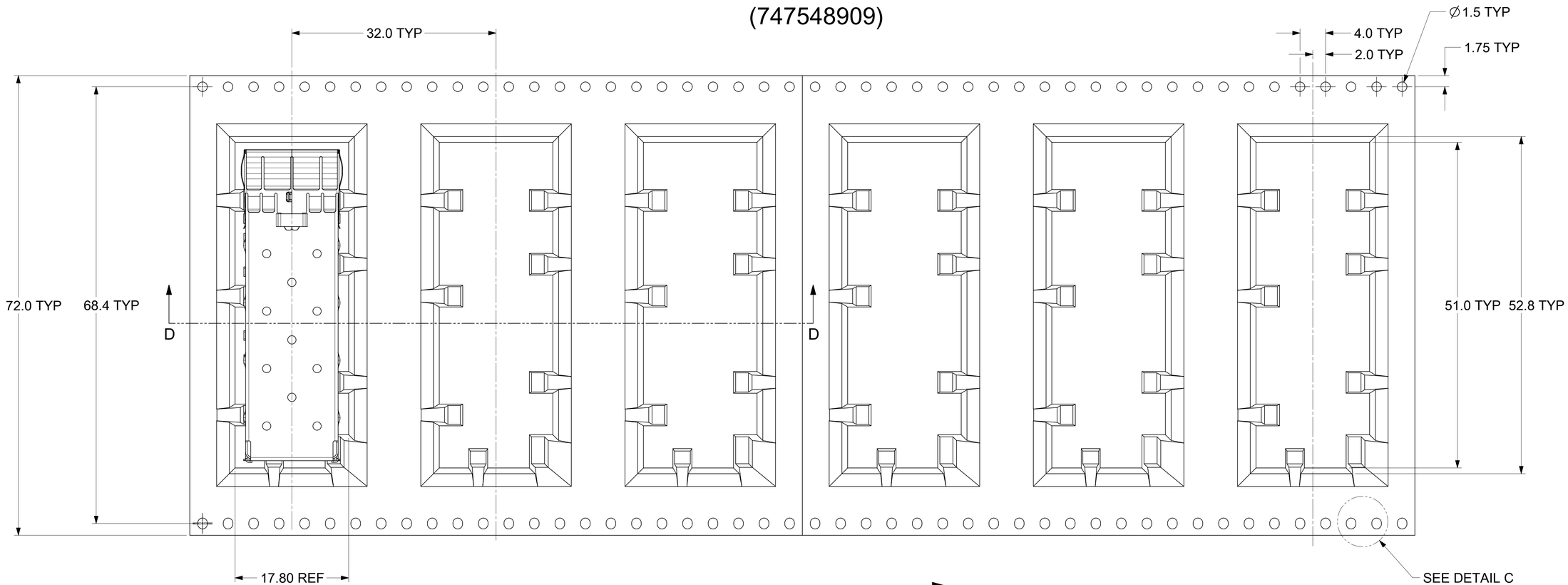
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 747547103 | PSD | ASY | B |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 74754 | SEE P/N TABLE | | 3 OF 7 |

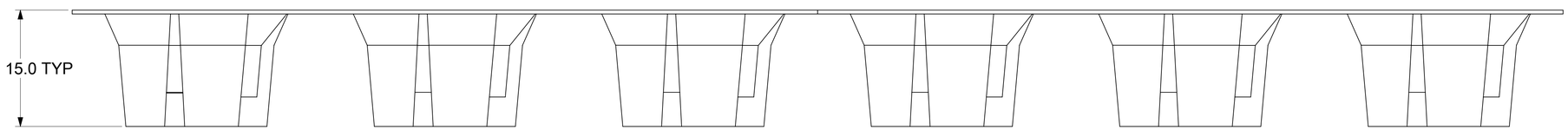
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 10:20:23 |
|---|---|---|---|

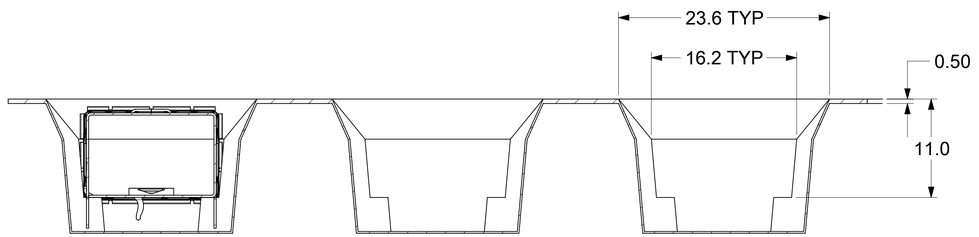
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# TAPE & REEL DETAIL FOR P/N (747548909)

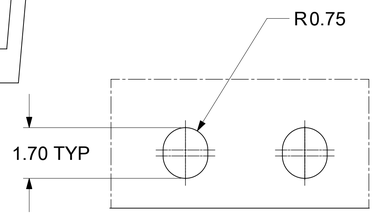



TAPE FEED DIRECTION




SECTION D-D




DETAIL C
SCALE 10:1

| | | | | | |
|---|---|---|---|---|---|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 | 10:20:23 | |

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

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| DIMENSION UNITS | SCALE |
|---|---|
| | 3:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.15 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
DRWN: CHETHH2 2022/05/26
CHK'D: TKUMARKC 2022/05/26
APPR: SCHIEN 2022/05/27

INITIAL REVISION:
DRWN: ABHILT2 2022/04/11
APPR: SCHIEN 2022/05/19

molex

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

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 747547103 | PSD | ASY | B |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 74754 | SEE P/N TABLE | | 4 OF 7 |

| REV | DATE | DESCRIPTION |
|---|---|---|
| A | 2022/04/11 | INITIAL RELEASE |
| B | 2022/05/26 | SHEET 1 : D8 : ADDED 747548907 TO P/N TABLE.<br>SHEET 2 : ADDED A NEW SHEET FOR 747548907.<br>SHEET 4 : ADDED A NEW SHEET FOR PCB LAYOUT OF 747548907.<br>SHEET 5 : E6 : ADDED 747548907 TO P/N TABLE. |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS | SCALE 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.15 |
| 1 PLACE | ± | 0.25 |
| 0 PLACES | ± | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SEE REVISION TABLE

EC NO: 707262
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molex

SFP+ 1X1 CAGE ASSEMBLY
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PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 747547103 | PSD | ASY | B |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | D-SIZE | 74754 | SEE P/N TABLE | | 5 OF 7 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/27 10:20:23 |
|---|---|---|---|

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