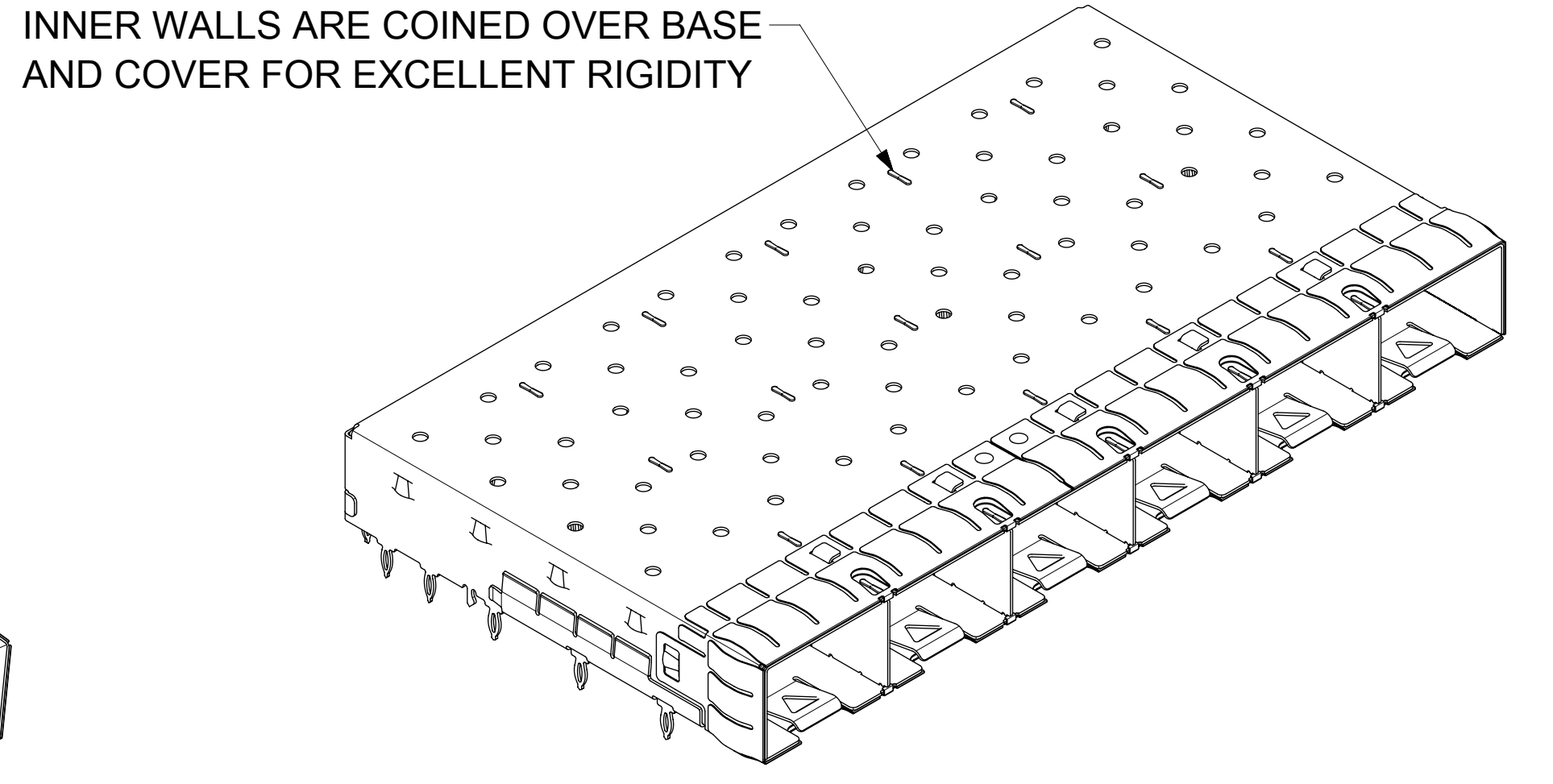
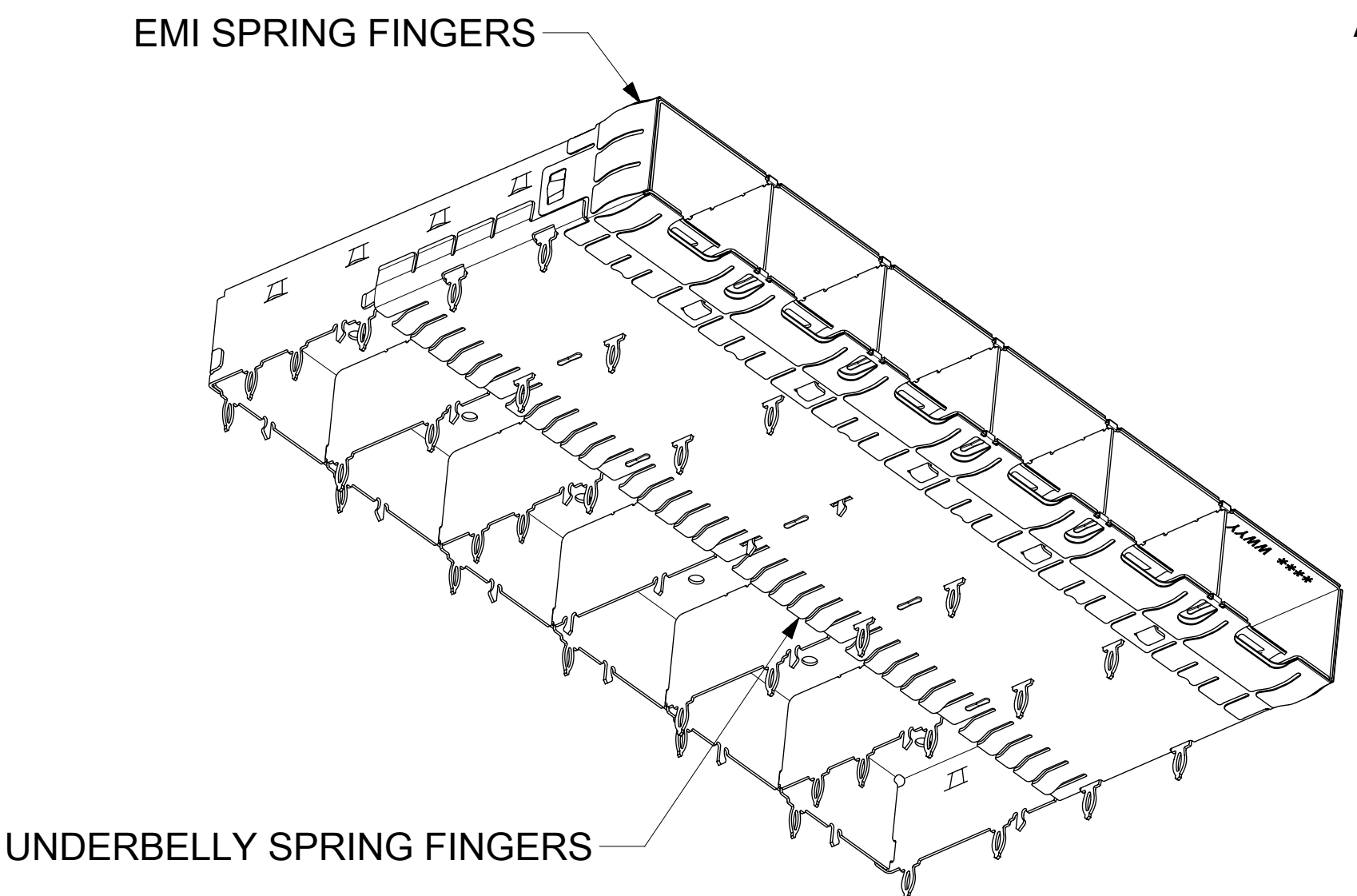
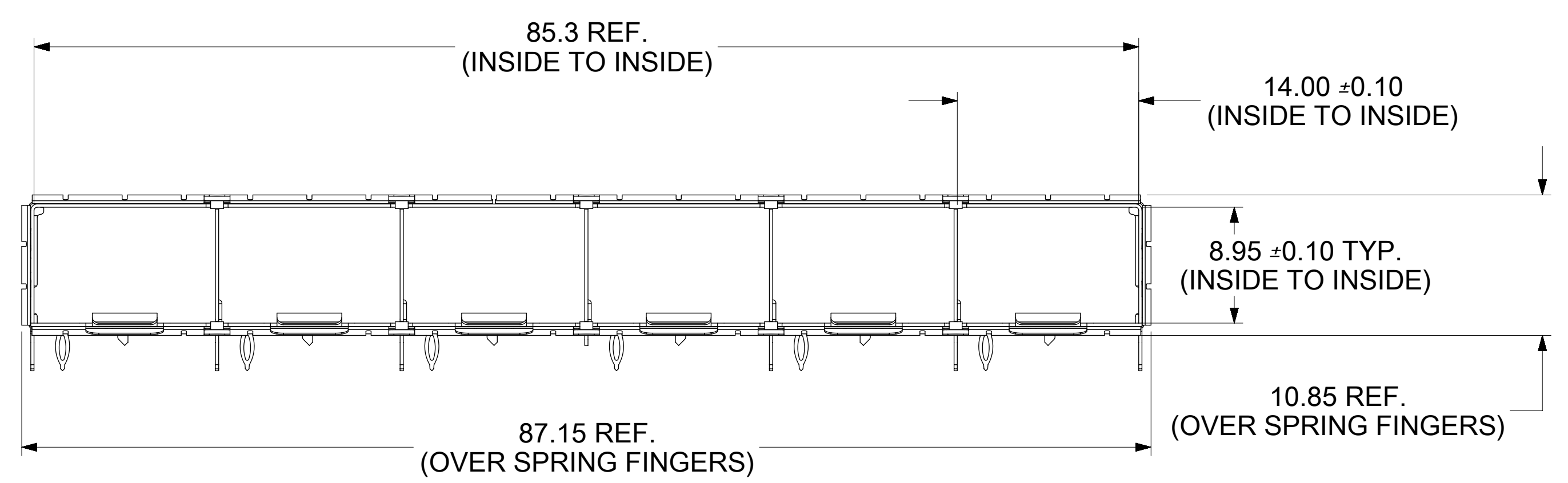
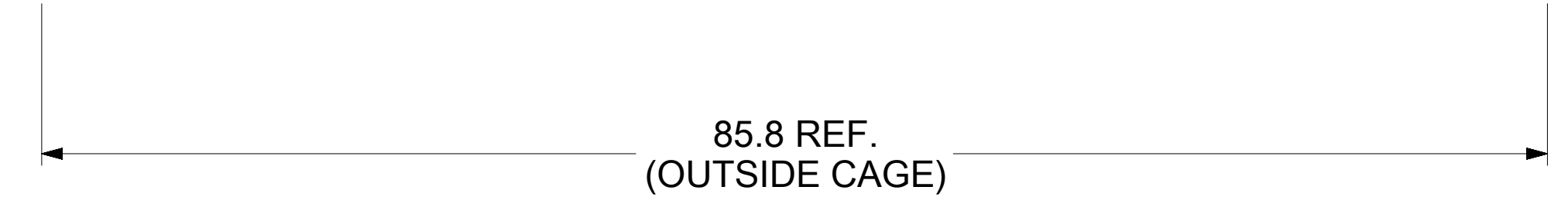
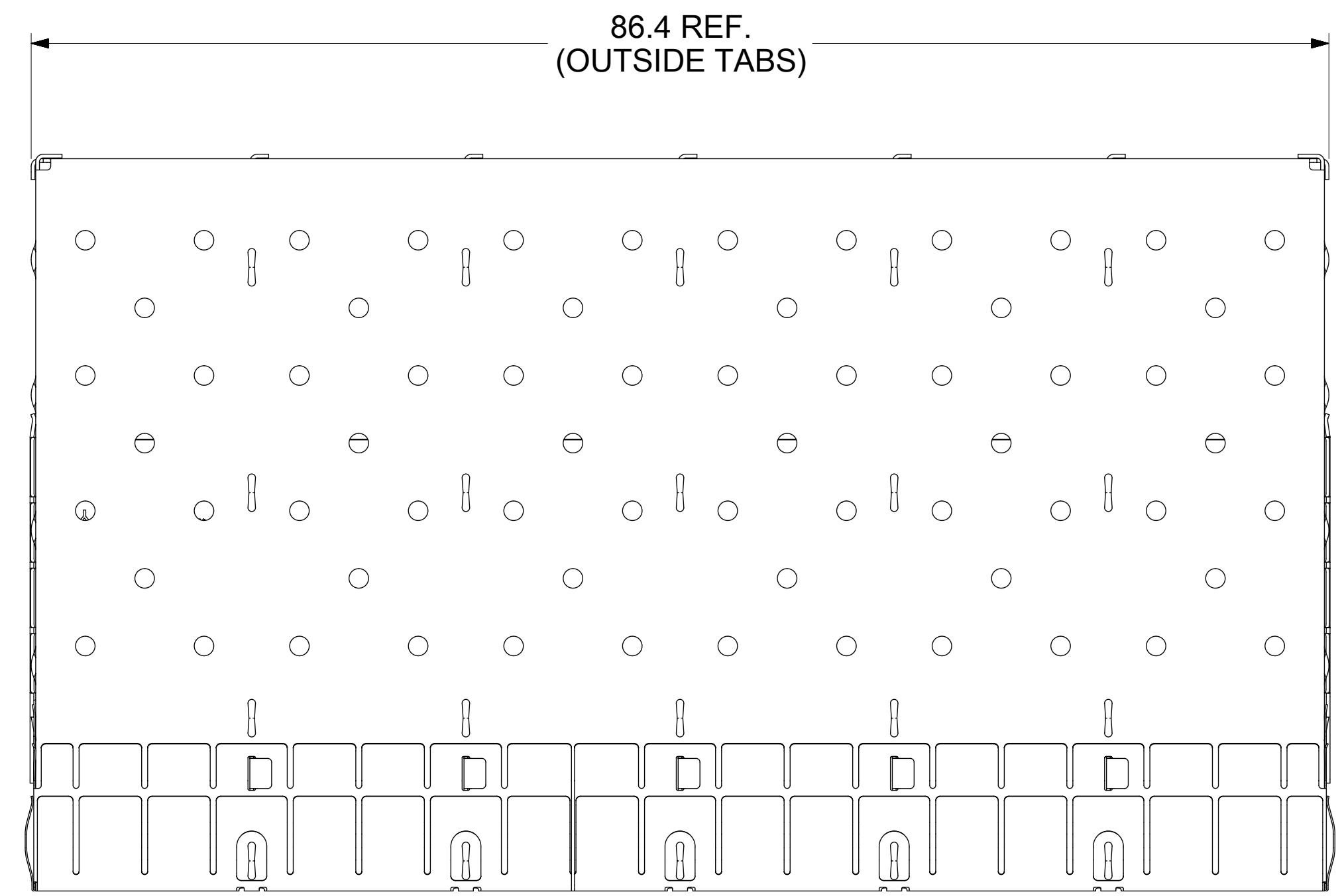
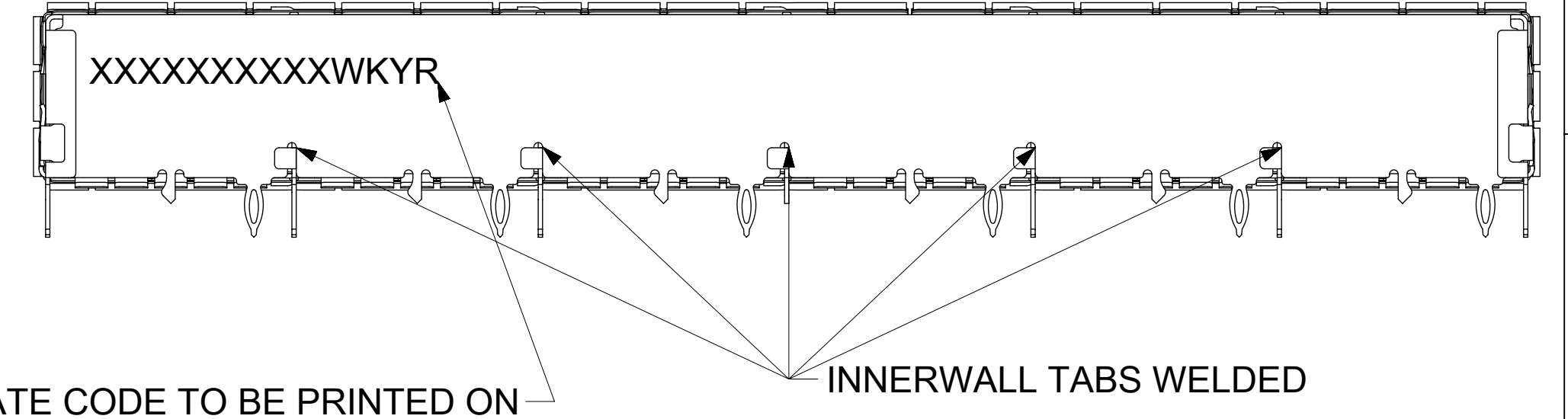
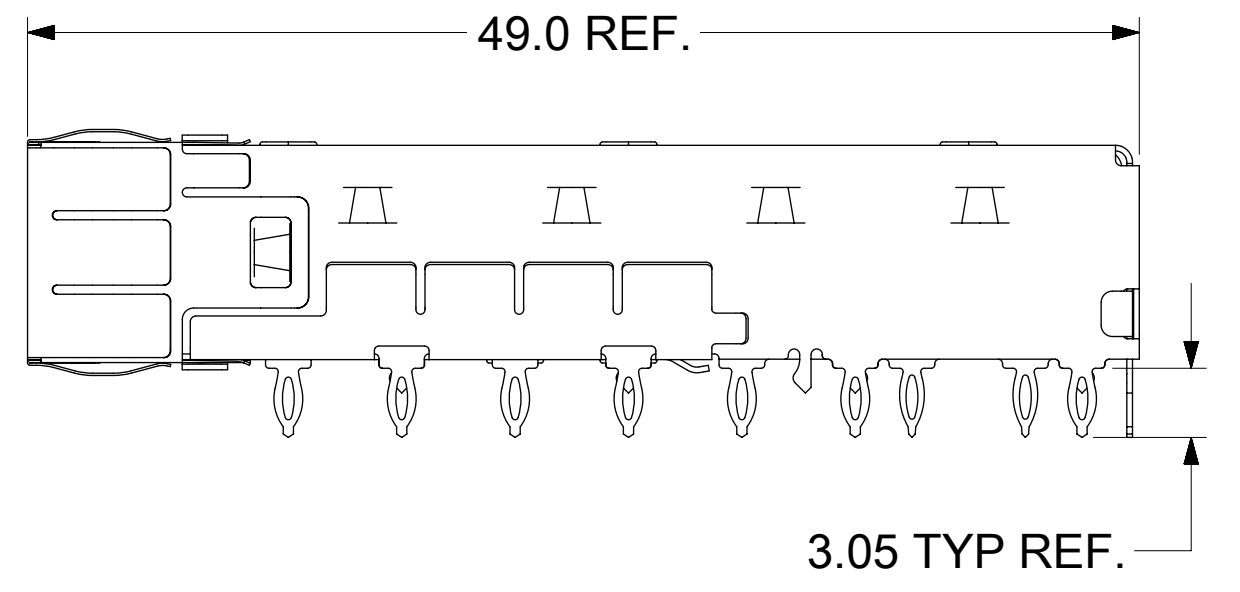


COMMON DIMENSION

74754-0620
SHOWN



| SFP+ 1X6 CAGES PRESS FIT W/ SPRING FINGERS | | |
|--------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------|
| MOLEX P/N | DESCRIPTION | PLATING |
| 747540620 | SFP+ 1X6 CAGE PRESS FIT W/2 WELD POINT W/ 5 WELD REAR TABS | PRE-PLATED: NICKEL (1.27~3.81 μm) |
| 747540622 | SFP+ 1X6 CAGE PRESS FIT W/ WELD POINT ON FOUR SIDES | PRE-PLATED: NICKEL (1.27~3.81 μm) |
| 747540627 | SFP+ 1X6 CAGE PRESS FIT W/2 WELD POINT W/ 5 WELD REAR TABS | PRE-PLATED: NICKEL (1.27~3.81 μm) OVER ALL: MAT TIN (2.0 μm Min.) |
| 747540688 | SFP+ 1X6 CAGE PRESS FIT W/12 WELD POINT W/ 5 WELD REAR TABS | PRE-PLATED: NICKEL (1.27~3.81 μm) |



PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON BACK OF CAGE APPROXIMATE AS SHOWN. SEE TABLE BELOW FOR DATE CODE INFORMATION.

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

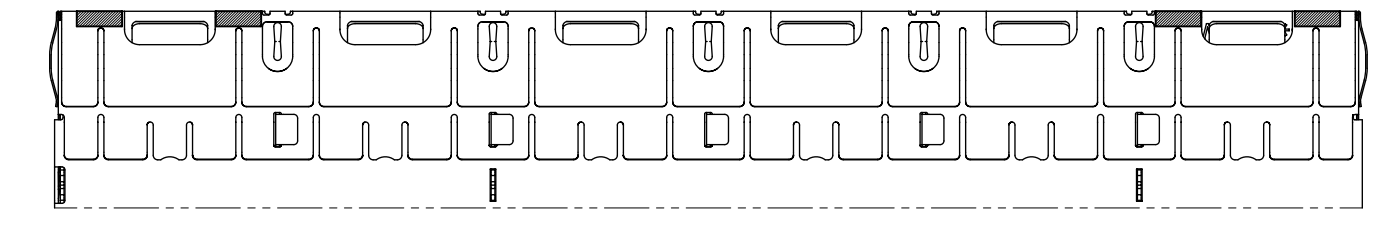
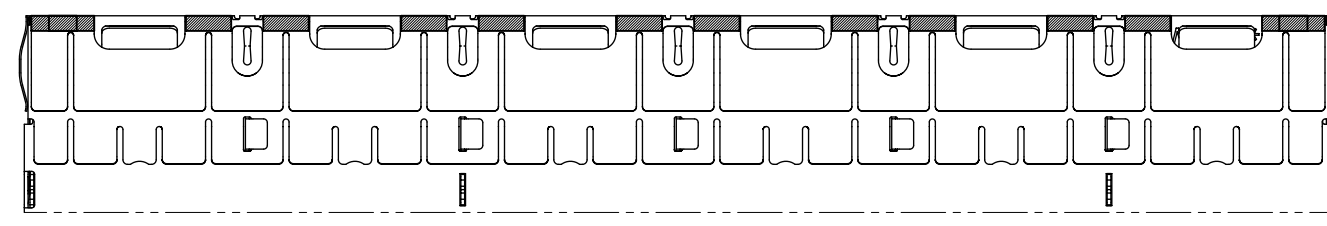
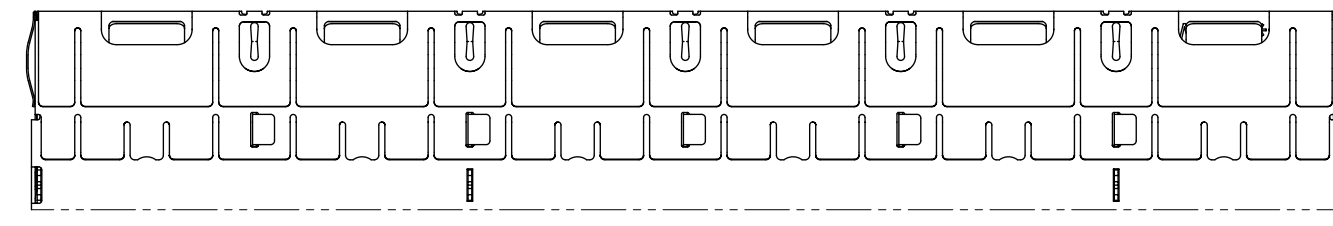
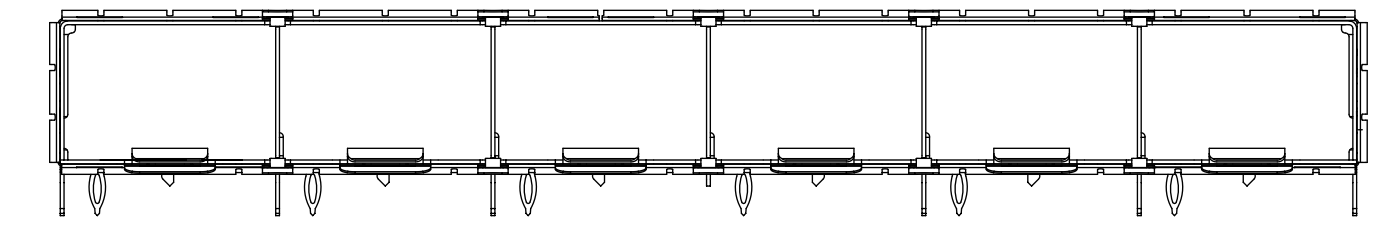
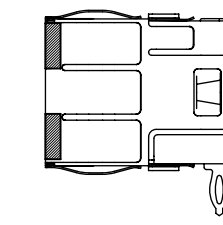
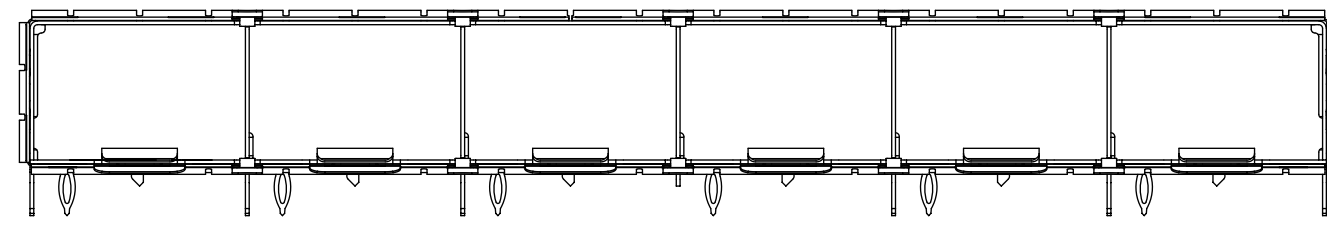
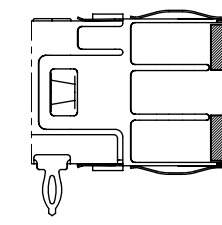
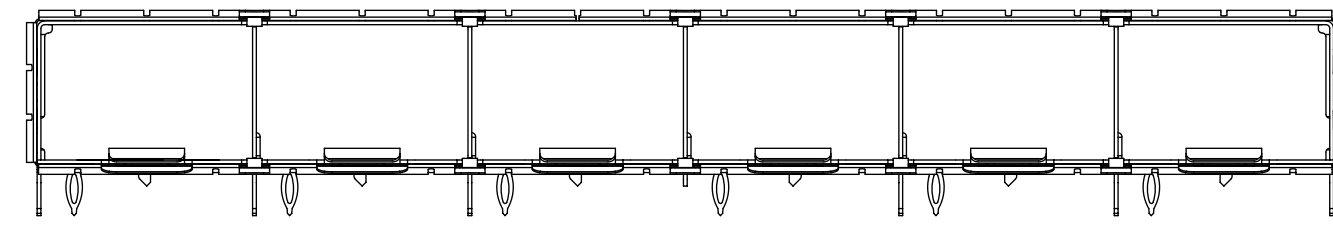
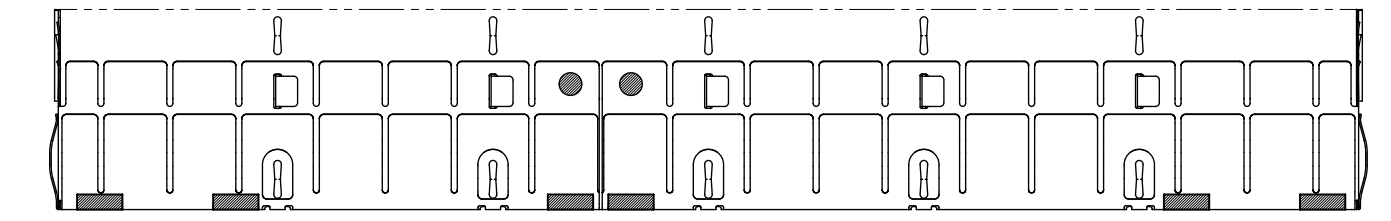
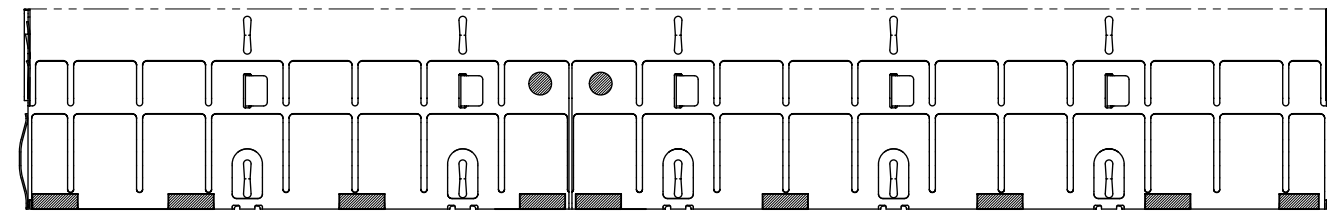
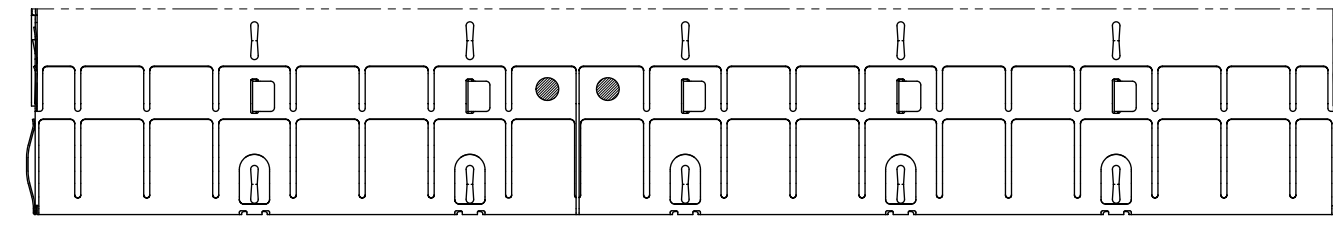
- NOTES:
- MATERIAL:
CAGE: COPPER ALLOY, THICKNESS 0.25mm.
SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm.
 - PRESS FIT LEGS 3.05 LONG -
1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
 - OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.
 - WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION.
 - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.
 - NO RoHS EXEMPTIONS.


| | | | | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| QUALITY SYMBOLS F = 0 E = 0 E = 0 = 0 C = 0 X = 0 = 0 = 0 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | DIMENSION UNITS: MM SCALE: 3:1 DRWN BY: PKUMARG DATE: 2016/01/20 CHKD BY: DSUN15 DATE: 2016/03/03 APPR BY: RCHEN08 DATE: 2016/03/04 DRAWING SIZE: D THIRD ANGLE PROJECTION | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.15 1 PLACE ± 0.25 0 PLACES ± | PRODUCT CUSTOMER DRAWING SERIES: 74754 MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET | | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | DOCUMENT NUMBER: 747540620 DOC TYPE: PSD DOC PART: ASY SHEET NUMBER: 1 OF 6 | | | | |
| | SEE REVISION TABLE EC NO: 103331 DRWN: PKUMARG CHKD: DSUN15 REV: APPR: RCHEN08 | | | | | |

WELD LOCATION FOR FRONT SPRING FINGER
FOR 747540620 & 747540627

WELD LOCATION FOR FRONT SPRING FINGER
FOR 747540622

WELD LOCATION FOR FRONT SPRING FINGER
FOR 747540688



| | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|---------------------------------------|---------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | |
| QUALITY SYMBOLS | SEE REVISION TABLE | EC NO: 103331 DRWN: PKUMARG CHKD: DSUN15 REV APPR: RCHEN08 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE |  SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG PRODUCT CUSTOMER DRAWING | | | | |
| | | | ANGULAR TOL ± 1.0 ° | | MM | 2:1 | | | | | |
| ▽ = 0 | | | 4 PLACES ± | DRWN BY | DATE | SERIES: 74754 MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET DOCUMENT NUMBER: 747540620 DOC TYPE: PSD DOC PART: ASY SHEET NUMBER: 2 OF 6 | | | | | |
| ▽ = 0 | | | 3 PLACES ± | PKUMARG | 2016/01/20 | | | | | | |
| ▽ = 0 | | | 2 PLACES ± 0.15 | CHKD BY | DATE | DIMENSION UNITS: MM SCALE: 2:1 DRWN BY: PKUMARG DATE: 2016/01/20 CHKD BY: DSUN15 DATE: 2016/03/03 APPR BY: RCHEN08 DATE: 2016/03/04 DRAWING SIZE: D THIRDO ANGLE PROJECTION | | | | | |
| ▽ = 0 | | | 1 PLACE ± 0.25 | DSUN15 | 2016/03/03 | | | | | | |
| ▽ = 0 | | | 0 PLACES ± | RCHEN08 | 2016/03/04 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | |
| ▽ = 0 | | | | | | | | | | | |
| ▽ = 0 | | | | | | DIMENSION UNITS: MM SCALE: 2:1 DRWN BY: PKUMARG DATE: 2016/01/20 CHKD BY: DSUN15 DATE: 2016/03/03 APPR BY: RCHEN08 DATE: 2016/03/04 DRAWING SIZE: D THIRDO ANGLE PROJECTION | | | | | |
| ▽ = 0 | | | | | | | | | | | |

PCB LAYOUT FOR SINGLE SIDE MOUNT

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

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 6 PLCS

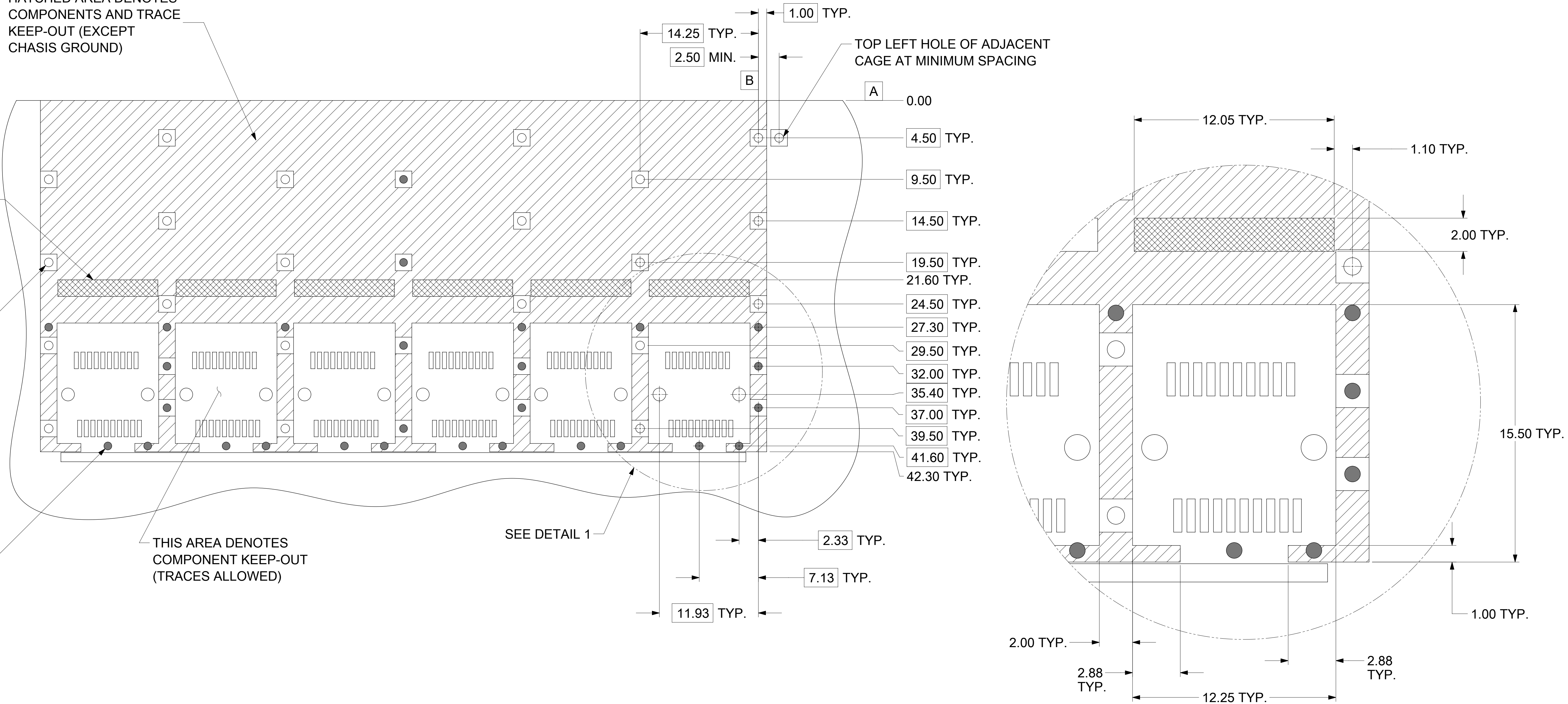
21X $\varnothing 1.05 \pm 0.05$
(SHOWN AS \oplus)
 $\oplus 0.10$ A B

28X $\varnothing 0.95 \pm 0.05$
(SHOWN AS \bullet)
 $\oplus 0.10$ A B

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

SEE DETAIL 1

TOP LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING



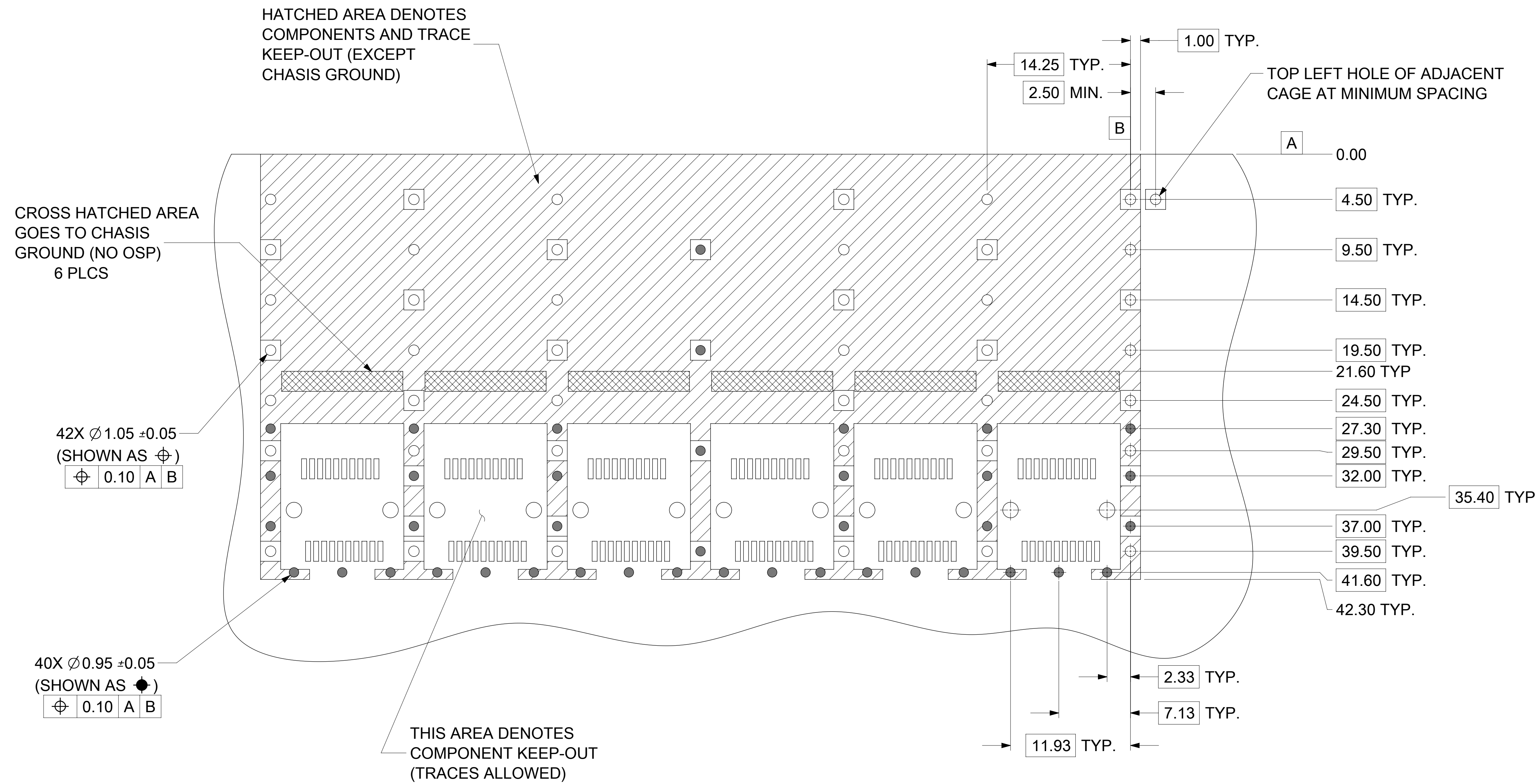
DETAIL 1
SCALE 8:1
HOST CONNECTOR DETAIL

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 ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

| | | | | | |
|-----------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------|------------|
| QUALITY SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| ∇ | = 0 | SEE REVISION TABLE EC NO: 103331 DRWN: PKUMARG CHKD: DSUN15 REV APPR: RCHEN08 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION UNITS | SCALE |
| ∇ | = 0 | | ANGULAR TOL $\pm 1.0^\circ$ | MM | 4:1 |
| ∇ | = 0 | | 4 PLACES \pm | DRWN BY | DATE |
| ∇ | = 0 | | 3 PLACES \pm | PKUMARG | 2016/01/20 |
| ∇ | = 0 | | 2 PLACES ± 0.15 | CHKD BY | DATE |
| ∇ | = 0 | | 1 PLACE ± 0.25 | DSUN15 | 2016/03/03 |
| ∇ | = 0 | 0 PLACES \pm | APPR BY | DATE | |
| ∇ | = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | RCHEN08 | 2016/03/04 | |
| ∇ | = 0 | | DRAWING SIZE | THIRD ANGLE PROJECTION | |
| ∇ | = 0 | | D | | |
| RELEASE STATUS | | P1 | RELEASE DATE | 04.03.2016 | 10:43:47 |
| SERIES | | MATERIAL NUMBER | | CUSTOMER | |
| 74754 | | SEE P/N TABLE | | GENERAL MARKET | |
| DOCUMENT NUMBER | | DOC TYPE | DOC PART | SHEET NUMBER | |
| 747540620 | | PSD | ASY | 3 OF 6 | |

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



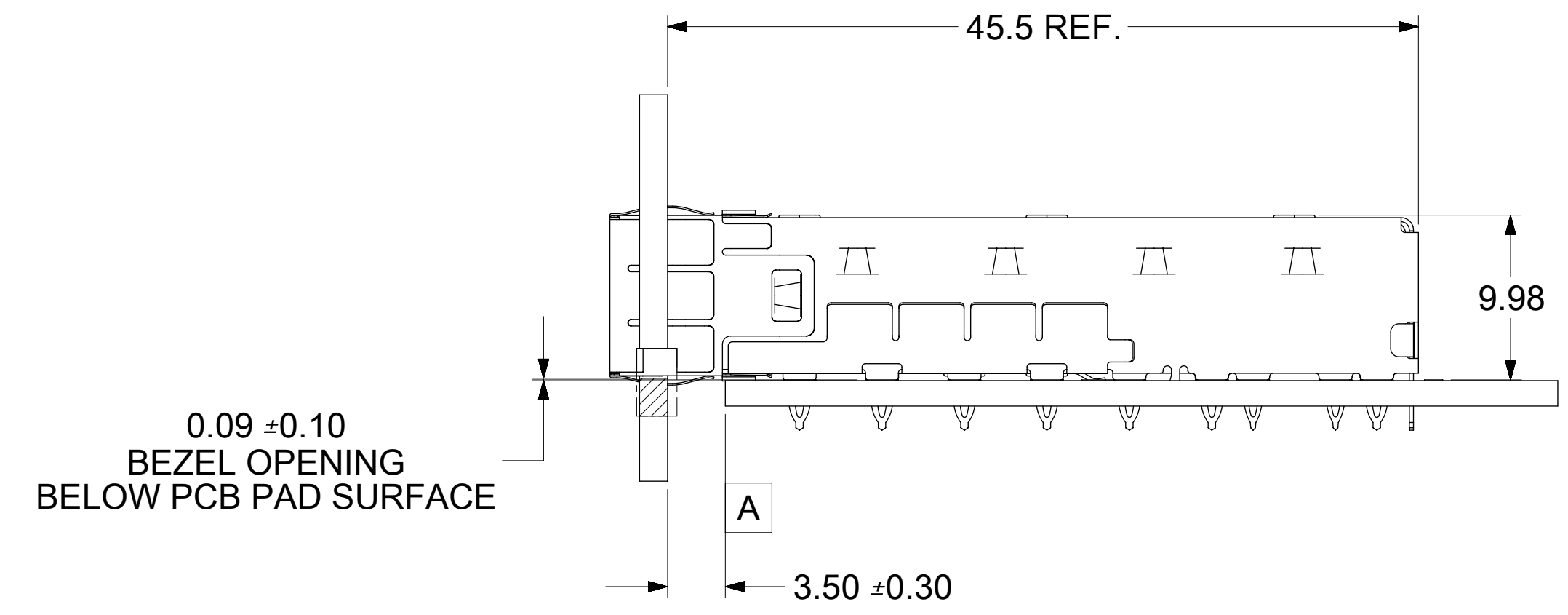
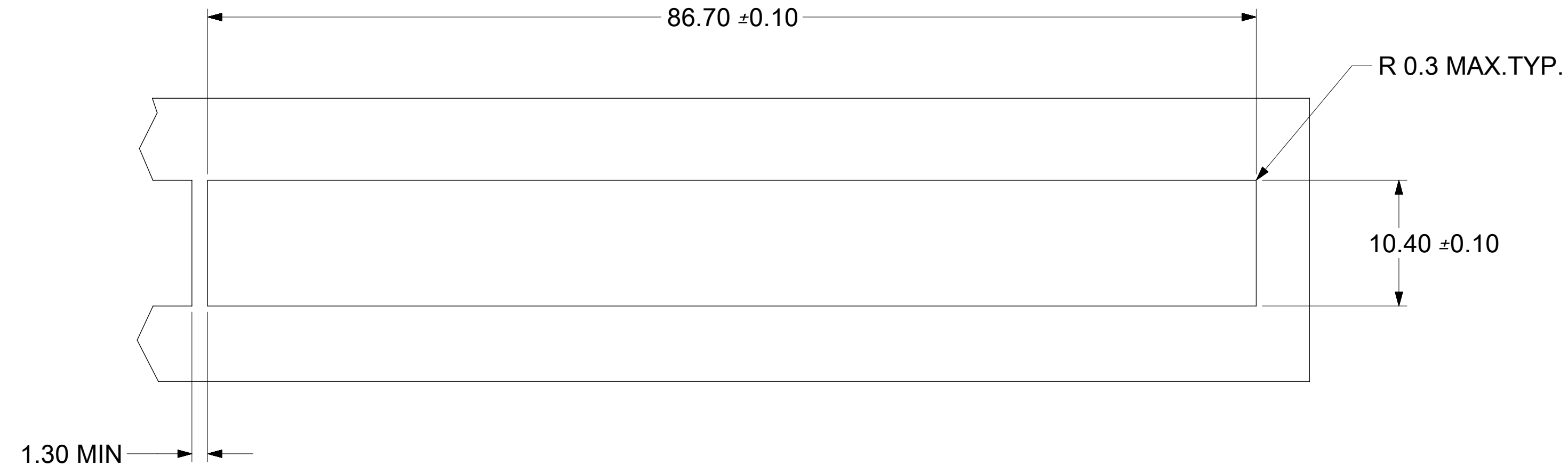
NOTE:
SEE SHEET 3 FOR
HOST CONNECTOR DETAIL

NOTES:

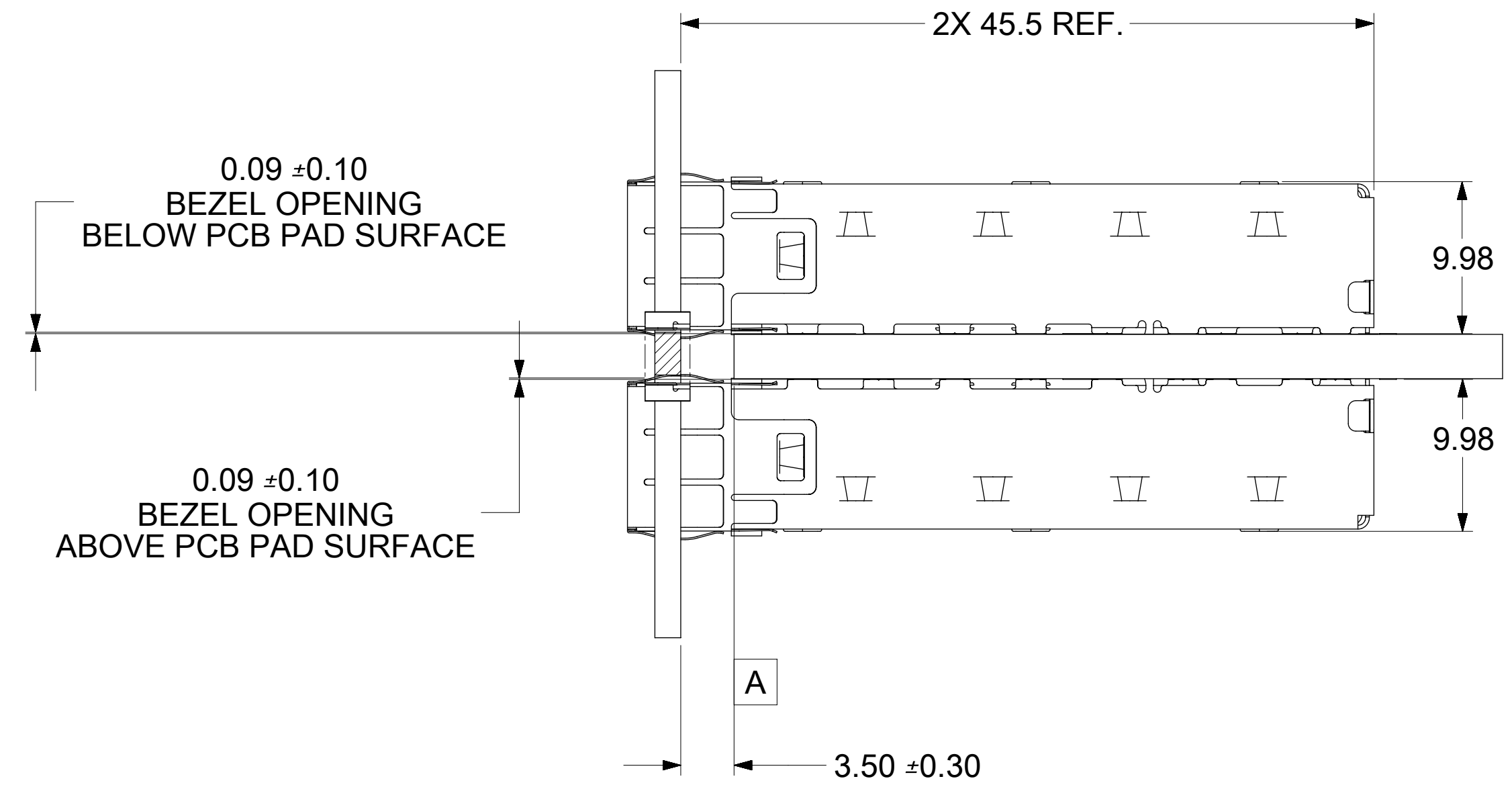
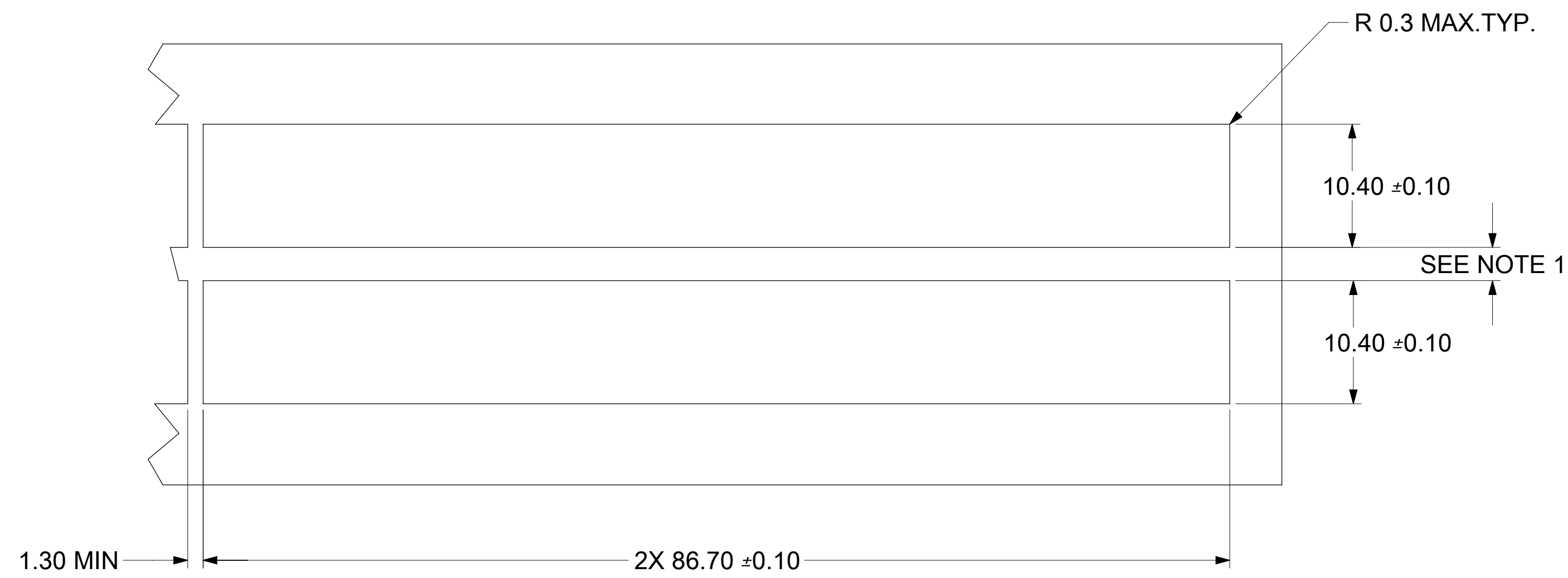
1. PADS AND VIAS CONNECT TO CHASSIS GROUND. (RECOMMEND PADS TO BE 2.00mm SQUARE.)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION. (GOLD, SILVER, OR TIN.)
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

| | | | | | | | | | | | |
|--------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|-------|------------------------|-------|--------------------------------------------------------------------------------------|-------|-------|-------|
| QUALITY SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | |
| ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 | ▽ = 0 |
| SEE REVISION TABLE | | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | | SCALE | | | | | |
| EC NO: 103331 | | ANGULAR TOL ± 1.0 ° | | MM | | 4:1 | | | | | |
| DRWN: PKUMARG | | 4 PLACES ± | | DRWN BY | | DATE | | SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG | | | |
| CHKD: DSUN15 | | 3 PLACES ± | | PKUMARG | | 2016/01/20 | | | | | |
| REV APPR: RCHEN08 | | 2 PLACES ± 0.15 | | CHKD BY | | DATE | | PRODUCT CUSTOMER DRAWING | | | |
| | | 1 PLACE ± 0.25 | | DSUN15 | | 2016/03/03 | | | | | |
| | | 0 PLACES ± | | APPR BY | | DATE | | SERIES: 74754 MATERIAL NUMBER: SEE P/N TABLE CUSTOMER: GENERAL MARKET | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | RCHEN08 | | 2016/03/04 | | | | | |
| | | | | DRAWING SIZE | | THIRD ANGLE PROJECTION | | DOCUMENT NUMBER: 747540620 DOC TYPE: PSD DOC PART: ASY SHEET NUMBER: 4 OF 6 | | | |
| | | | | D | | | | | | | |

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.

| | | | | | | | | | | | | |
|-----------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|------------------------------------------------------|---------------------|---------------------------------------|-----------------|-----------------|-----------------------------------------------------------------------|--|------------------------|
| QUALITY SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | |
| ▽ = 0 | ▽ = 0 | SEE REVISION TABLE | EC NO: 103331 | DRWN: PKUMARG | CHKD: DSUN15 | REV APPR: RCHEN08 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION UNITS | SCALE | molex [®] | | |
| ▽ = 0 | ▽ = 0 | | 2016/01/20 | 2016/03/03 | 2016/03/04 | ANGULAR TOL ± 1.0 ° | MM | 3:1 | | | | |
| ▽ = 0 | ▽ = 0 | | 4 PLACES ± | DRWN BY | DATE | PKUMARG | 2016/01/20 | DRWN BY | DATE | SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG | | |
| ▽ = 0 | ▽ = 0 | | 3 PLACES ± | CHKD BY | DATE | DSUN15 | 2016/03/03 | CHKD BY | DATE | | | |
| ▽ = 0 | ▽ = 0 | | 2 PLACES ± 0.15 | APPR BY | DATE | RCHEN08 | 2016/03/04 | APPR BY | DATE | PRODUCT CUSTOMER DRAWING | | |
| ▽ = 0 | ▽ = 0 | | 1 PLACE ± 0.25 | 0 PLACES ± | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | D | THIRD ANGLE PROJECTION | SERIES | MATERIAL NUMBER | | | |
| ▽ = 0 | ▽ = 0 | | | | | | 74754 | SEE P/N TABLE | GENERAL MARKET | DOCUMENT NUMBER 747540620 | | |
| ▽ = 0 | ▽ = 0 | | | | | | PSD | DOC PART | ASSEMBLY | | | SHEET NUMBER 5 OF 6 |

| DATE | REV | DESCRIPTION |
|------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2009/04/13 | C | INITIAL RELEASE |
| 2012/10/29 | D | 1. ADDED P/N 747540622 AND 747540627. [SHT 1] |
| 2012/12/21 | E | 1. ADDED 747540627 TO WELD LOCATION CALLOUT. [SHT 1] 2. REMOVED TYP. FROM DIM 85.3. [SHT 1] 3. ADDED "MM 3D MODEL: EM-74754-0620-ASSY" MODEL NAME ON LEF TOP CORNER. [SHT 1] 4. CHANGED NOTE 6 AS "NO RoHS EXEMPTIONS". [SHT 1] 5. ADDED BACK VIEW FOR DATE CODE INFORMATION. [SHT 1] 6. ADDED REF TO DIM 86.4, 85.8, 85.3, 49.0, AND 3.05 [SHT 1] 7. REMOVED "WELDED REAR TABS (X5)". [SHT 1] 8. CHANGED "14.25 TYP" & "2.5 MIN" TO A BASIC DIMENSION. [SHT 2 & 3] 9. FILLED IN HOLES IN DETAIL 1. [SHT 2] 10. REMOVED INCH DIMS. [SHT 2 & 3] 11. REMOVED "(SEE NOTE 1)" X4. [SHT 4] 12. CHANGED "BELOW" TO "ABOVE" IN BOTTOM 0.09±0.10 DIM. [SHT 4] |
| 2014/09/11 | F | 1. ADDED 74754-0627 PLATING SPEC. INTO TABLE. [SHT 1] |
| 2015/07/27 | G | "MODIFIED PCB LAYOUT PER SFF-8433" SHEET 2: @H19 : ADDED TOL OF ±0.05 TO DIM Ø1.05 @H19 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 @E19 : ADDED TOL OF ±0.05 TO DIM Ø0.95 @E19 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 SHEET 3: @H18 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 @E18 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 |
| 2016/01/20 | H | REMASTERED FROM EM-74754-0620-ASSY 'G' TO 747540620 PSD REV 'H' IN NX. SHEET 1: J11: ADDED TEXT "COMMON DIMENSIONS 747540620 SHOWN". REMOVED WELD LOCATION AND WELD RELATED TEXT FROM ALL THE VIEWS. A19: ADDED P/N 747540688 TO PART NUMBER TABLE. SHEET 2: ADDED A SHEET TO SHOW FRONT SPRING FINGER WELDING LOCATION FOR P/N 747540620,747540622,747540627 & 747540688. |
| | | |
| | | |
| | | |

| | | | | | | | | | | | |
|-----------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|-----------------|------------------------|----------------------------------------------------------------------------|--|--|--|--|
| QUALITY SYMBOLS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | |
| | = 0 | SEE REVISION TABLE EC NO: 103331 DRWN: PKUMARG CHKD: DSUN15 REV APPR: RCHEN08 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION UNITS | SCALE | | | | | |
| | = 0 | | ANGULAR TOL ± 1.0 ° | | MM | 3:1 | | | | | |
| | = 0 | | 4 PLACES ± | | DRWN BY | DATE | SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG | | | | |
| | = 0 | | 3 PLACES ± | | PKUMARG | 2016/01/20 | | | | | |
| | = 0 | | 2 PLACES ± 0.15 | | CHKD BY | DATE | PRODUCT CUSTOMER DRAWING | | | | |
| | = 0 | | 1 PLACE ± 0.25 | | DSUN15 | 2016/03/03 | | | | | |
| | = 0 | | 0 PLACES ± | | APPR BY | DATE | SERIES MATERIAL NUMBER CUSTOMER 74754 SEE P/N TABLE GENERAL MARKET | | | | |
| | = 0 | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | RCHEN08 | 2016/03/04 | | | | | |
| | = 0 | | | | DRAWING SIZE | THIRD ANGLE PROJECTION | DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER 747540620 PSD ASY 6 OF 6 | | | | |
| | = 0 | | | | D | | | | | | |