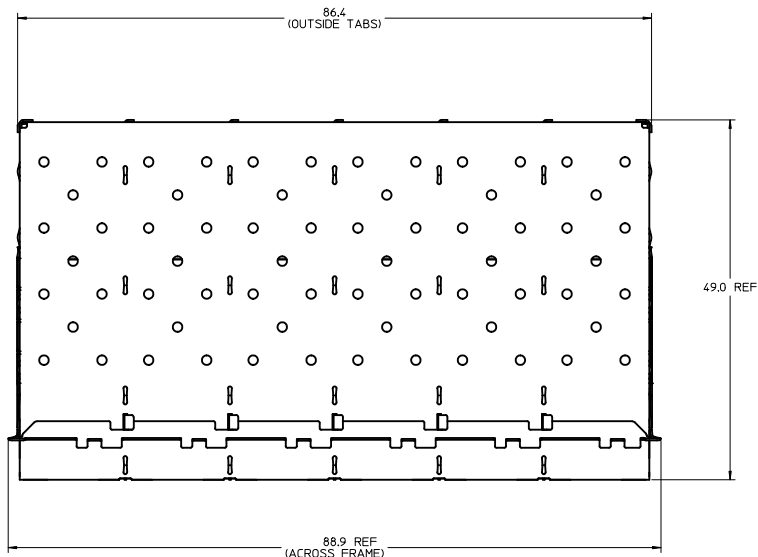


MM 3D-MODEL: TM-11112-2610

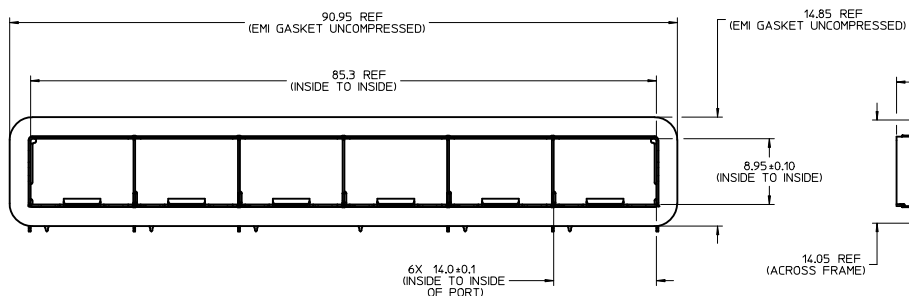
## BASE CAGE DETAILS (APPLIES TO ALL CAGES IN THIS DRAWING)

747540610

SHOWN



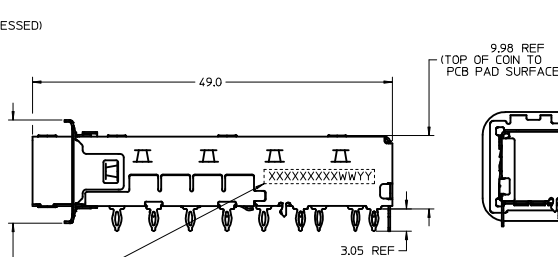
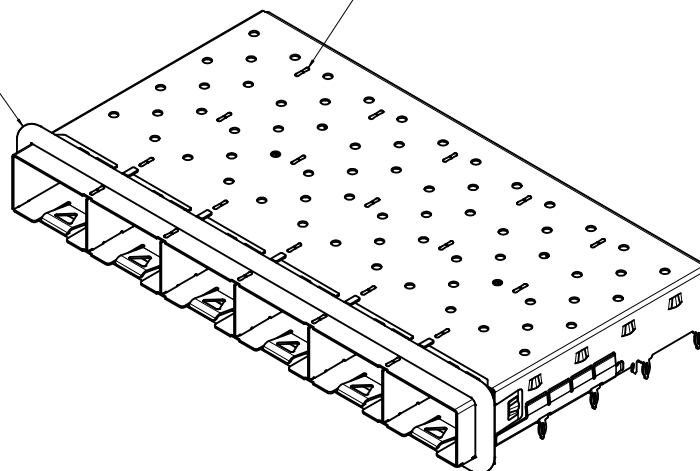
NOTE:  
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



- 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 WILL SHOW SLIGHT MATERIAL DISCOLORATION.
  - NO ROHS EXEMPTIONS.
  - CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

360° SOFT ELASTOMERIC GASKET

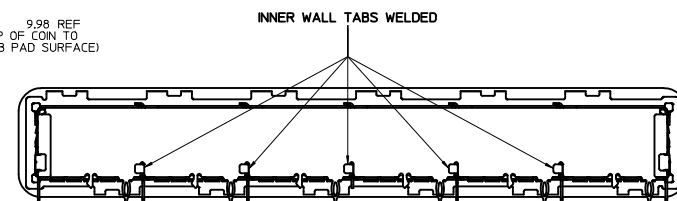
INNER WALLS ARE COINED  
FOR EXTRA RIGIDITY



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

| 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                                  |

NOTE:  
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.

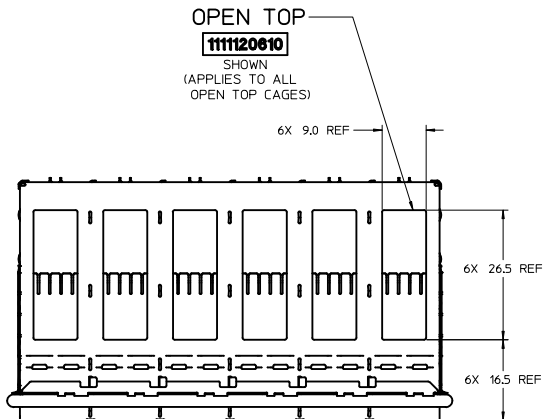


INNER WALL TABS WELDED

|                                                                                                                |                 |                                                      |    |                            |                                                                                                                               |                    |                                                                        |                        |  |                               |                     |
|----------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------|----|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------|------------------------|--|-------------------------------|---------------------|
| SEE REVISION TABLE<br>EC NO: CPG2013-2574<br>DRAWN BY: JHATTON<br>2013/02/13<br>CHKD: APPS/KLOYD<br>2013/02/21 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                |    | DIMENSION STYLE<br>MM ONLY |                                                                                                                               | SCALE<br>3:1       | DESIGN UNITS<br>METRIC                                                 | THIRD ANGLE PROJECTION |  |                               |                     |
|                                                                                                                | ▽=0             | 4 PLACES ±---                                        | mm | INCH                       | DRAWN BY<br>JHATTON                                                                                                           | DATE<br>2012/12/03 | TITLE<br>1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMER GASKET |                        |  |                               |                     |
|                                                                                                                | ▽=0             | 3 PLACES ±---                                        |    |                            | CHECKED BY<br>MMCKERVEY                                                                                                       | DATE<br>2012/12/07 | <b>molex</b><br>SD-11112-2610                                          |                        |  |                               |                     |
|                                                                                                                | ▽=0             | 2 PLACES ±0.13                                       |    |                            | APPROVED BY<br>KLOYD                                                                                                          | DATE<br>2012/12/20 |                                                                        |                        |  |                               |                     |
|                                                                                                                |                 | 1 PLACE ±0.25                                        |    |                            | MATERIAL NO.<br>SEE SHEET 3                                                                                                   |                    |                                                                        |                        |  | DOCUMENT NO.<br>SD-11112-2610 | SHEET NO.<br>1 OF 8 |
|                                                                                                                |                 | 0 PLACE ±---                                         |    |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                        |                        |  |                               |                     |
|                                                                                                                |                 | ANGULAR ±---                                         |    |                            |                                                                                                                               |                    |                                                                        |                        |  |                               |                     |
|                                                                                                                |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |    |                            |                                                                                                                               |                    |                                                                        |                        |  |                               |                     |
|                                                                                                                |                 |                                                      |    |                            |                                                                                                                               |                    |                                                                        |                        |  |                               |                     |
|                                                                                                                |                 |                                                      |    |                            |                                                                                                                               |                    |                                                                        |                        |  |                               |                     |
|                                                                                                                |                 |                                                      |    |                            |                                                                                                                               |                    |                                                                        |                        |  |                               |                     |

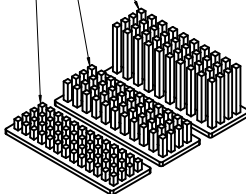
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

CAGE ASSEMBLY OPTIONS



HEATSINK OPTIONS

PIN FIELD NETWORKING  
PIN FIELD SAN  
PIN FIELD PCI



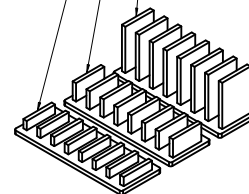
OVERALL HEATSINK HEIGHT

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

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

HEATSINK OPTIONS

LATERAL FIN NETWORKING  
LATERAL FIN SAN  
LATERAL FIN PCI

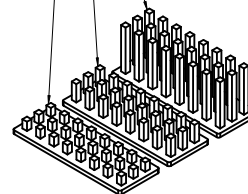


OVERALL HEATSINK HEIGHT

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

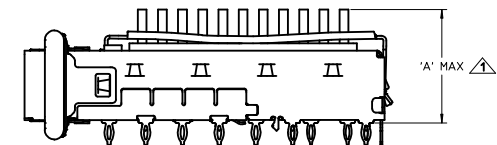
HEATSINK OPTIONS

WIDE GAP PIN NETWORKING  
WIDE GAP PIN SAN  
WIDE GAP PIN PCI



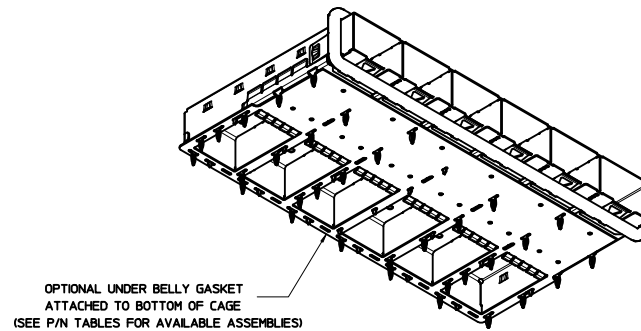
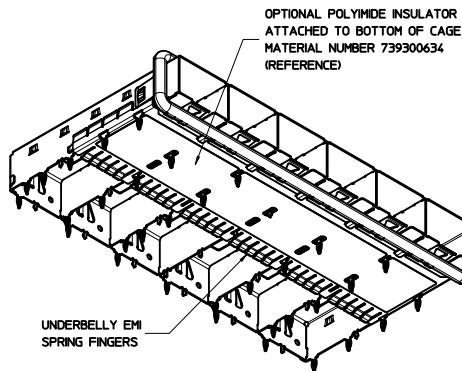
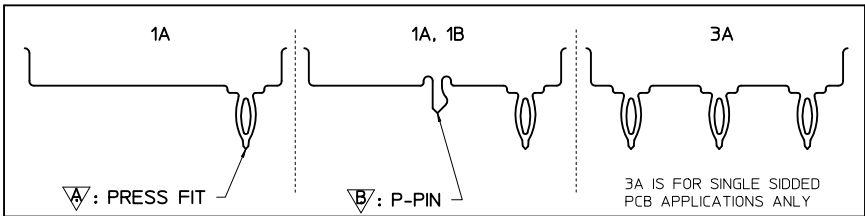
OVERALL HEATSINK HEIGHT

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



NOTES:  
▲ HEIGHT OF HEATSINK WITH MODULE INSERTED.  
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

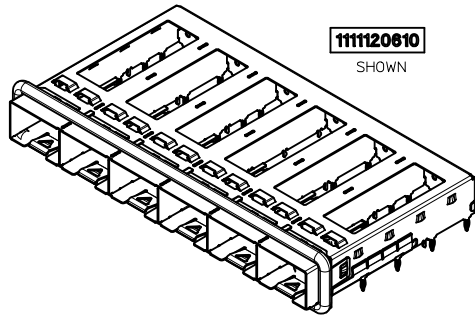
REAR LEG OPTIONS  
(PER PORT)



|                                                                                                                                  |             |                                      |                                       |        |                            |                                                            |                    |                                                                                |                           |               |                     |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|---------------------------------------|--------|----------------------------|------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------|---------------------------|---------------|---------------------|
| SEE REVISION TABLE<br>EC NO: CPG2013-2574<br>2013/02/13<br>DRAWN:SWA/A<br>CHKD:<br>APPR:KLLOYD                                   | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>MM ONLY |                                                            | SCALE<br>2:1       | DESIGN UNITS<br>METRIC                                                         | THIRD ANGLE<br>PROJECTION |               |                     |
|                                                                                                                                  |             |                                      |                                       | mm     | INCH                       | DRAWN BY<br>JHATTON                                        | DATE<br>2012/12/03 | TITLE<br>1X6 SFP+ CAGE.120 INCH<br>PRESS FIT, HEAT SINK,<br>ELASTOMERIC GASKET |                           |               |                     |
|                                                                                                                                  |             |                                      | 4 PLACES                              | ±      | ±                          | CHECKED BY<br>MMCKERVEY                                    | DATE<br>2012/12/07 |                                                                                |                           |               |                     |
|                                                                                                                                  |             |                                      | 3 PLACES                              | ±      | ±                          | APPROVED BY<br>KLLOYD                                      | DATE<br>2012/12/20 |                                                                                |                           |               |                     |
|                                                                                                                                  |             |                                      | 2 PLACES                              | ±      | ±                          |                                                            |                    |                                                                                |                           |               |                     |
|                                                                                                                                  |             |                                      | 1 PLACE                               | ± 0.13 | ±                          |                                                            |                    |                                                                                |                           |               |                     |
|                                                                                                                                  |             |                                      | 0 PLACE                               | ± 0.25 | ±                          |                                                            |                    |                                                                                |                           |               |                     |
|                                                                                                                                  |             |                                      | 0 PLACE                               | ±      | ±                          |                                                            |                    |                                                                                |                           |               |                     |
|                                                                                                                                  |             |                                      |                                       |        |                            | ANGULAR ±                                                  |                    | MATERIAL NO.                                                                   |                           | DOCUMENT NO.  |                     |
|                                                                                                                                  |             |                                      |                                       |        |                            | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    | SEE SHEET 3                                                                    |                           | SD-11112-2610 | SHEET NO.<br>2 OF 8 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                                      |                                       |        |                            |                                                            |                    |                                                                                |                           |               |                     |

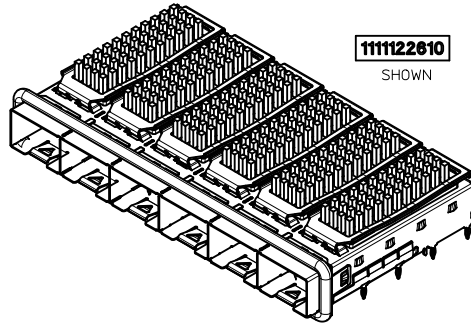
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

# PART NUMBER SELECTION



**1111120610**  
SHOWN

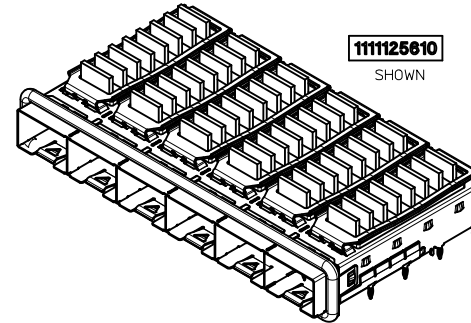
| SFP+ OPEN TOP BASE CAGE FOR HEATSINKS |                     |          |                         |
|---------------------------------------|---------------------|----------|-------------------------|
| PART NO.                              | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111120610                            | ---                 | ---      | 1A, 1B                  |
| 1111120650                            | YES                 | ---      | 1A, 1B                  |



**1111122610**  
SHOWN

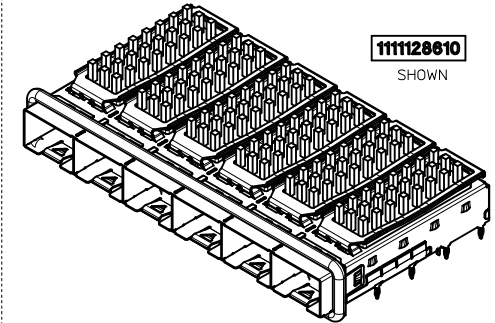
| SFP+ PIN FIELD HEATSINK OPTION |                     |          |                         |
|--------------------------------|---------------------|----------|-------------------------|
| PART NO.                       | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111121610                     | ---                 | PCI      | 1A, 1B                  |
| 1111121650                     | YES                 | PCI      | 1A, 1B                  |
| 1111122610                     | ---                 | SAN      | 1A, 1B                  |
| 1111122650                     | YES                 | SAN      | 1A, 1B                  |
| 1111123610                     | ---                 | NET      | 1A, 1B                  |
| 1111123650                     | YES                 | NET      | 1A, 1B                  |

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



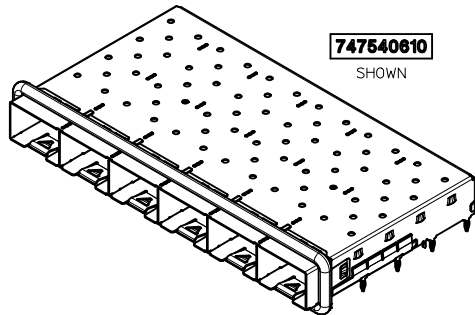
**1111125610**  
SHOWN

| SFP+ LATERAL FIN HEATSINK OPTION |                     |          |                         |
|----------------------------------|---------------------|----------|-------------------------|
| PART NO.                         | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111124610                       | ---                 | PCI      | 1A, 1B                  |
| 1111124650                       | YES                 | PCI      | 1A, 1B                  |
| 1111125610                       | ---                 | SAN      | 1A, 1B                  |
| 1111125650                       | YES                 | SAN      | 1A, 1B                  |
| 1111126610                       | ---                 | NET      | 1A, 1B                  |
| 1111126650                       | YES                 | NET      | 1A, 1B                  |



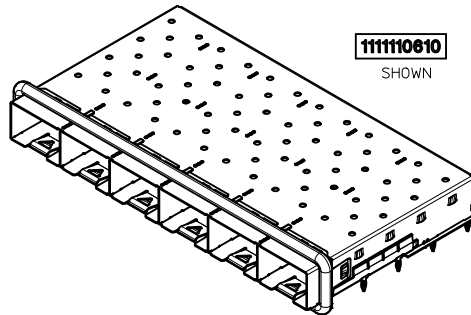
**1111128610**  
SHOWN

| SFP+ WIDE GAP PIN FIELD HEATSINK OPTION |                     |          |                         |
|-----------------------------------------|---------------------|----------|-------------------------|
| PART NO.                                | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111127610                              | ---                 | PCI      | 1A, 1B                  |
| 1111127650                              | YES                 | PCI      | 1A, 1B                  |
| 1111128610                              | ---                 | SAN      | 1A, 1B                  |
| 1111128650                              | YES                 | SAN      | 1A, 1B                  |
| 1111129610                              | ---                 | NET      | 1A, 1B                  |
| 1111129650                              | YES                 | NET      | 1A, 1B                  |



**747540610**  
SHOWN

| SFP+ CLOSED TOP CAGE |                     |          |                         |
|----------------------|---------------------|----------|-------------------------|
| PART NO.             | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 747540610            | ---                 | ---      | 1A, 1B                  |
| 747540611            | ---                 | ---      | 3A                      |
| 747540613            | ---                 | ---      | 1A, 1B                  |



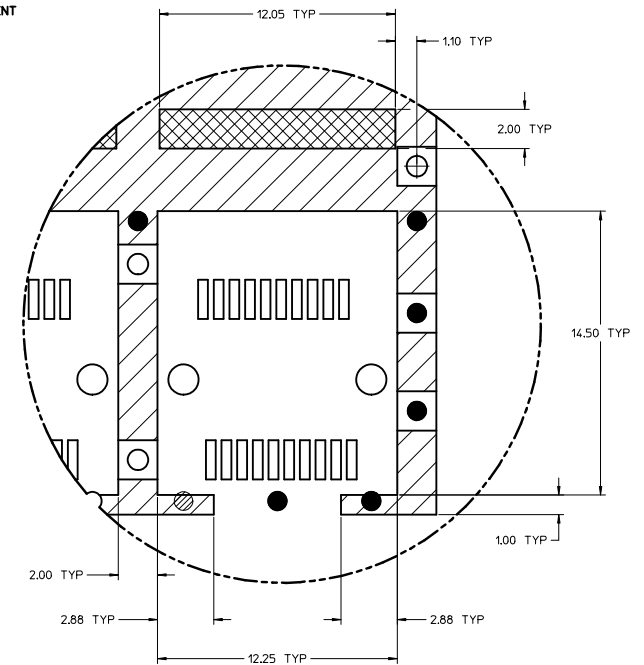
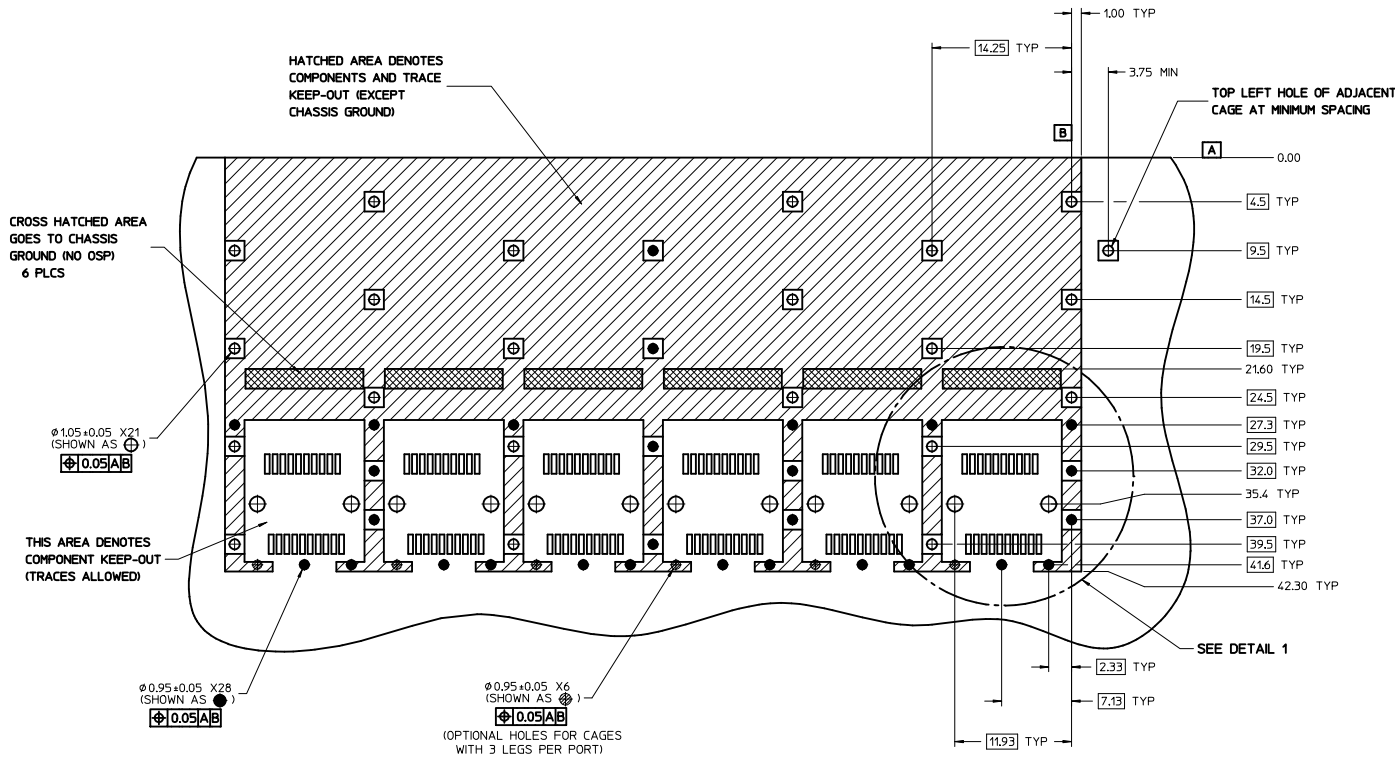
**1111110610**  
SHOWN

| zSFP+ CLOSED TOP WITH UNDER BELLY GASKET |                     |          |                         |
|------------------------------------------|---------------------|----------|-------------------------|
| PART NO.                                 | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111110610                               | ---                 | ---      | 1A, 1B                  |

|                                                                                                                             |                                                  |                                                            |                                       |                                                                                                        |                            |                                                                                                                                  |              |                        |                                                                                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|--|
| SEE REVISION TABLE<br>EC NO: CPG2013-2574<br>DRAWN BY: DRWNSWJAJA<br>CHKD: CHXK<br>APPR: KLLOYD<br>2013/02/13<br>2013/02/21 | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0<br><br>▽=0 | DESCRIPTION                                                | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                        | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>2:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |  |
|                                                                                                                             |                                                  |                                                            |                                       |                                                                                                        | DRAWN BY DATE              |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  |                                                            |                                       |                                                                                                        | JHATON 2012/12/03          |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  |                                                            |                                       |                                                                                                        | CHECKED BY DATE            |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  |                                                            |                                       |                                                                                                        | MMCKERVEY 2012/12/07       |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  | APPROVED BY DATE                                           |                                       | TITLE<br><br>1X6 SFP+ CAGE.120 INCH<br>PRESS FIT, HEAT SINK,<br>ELASTOMERIC GASKET<br><br><b>molex</b> |                            |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  | KLLOYD 2012/12/20                                          |                                       |                                                                                                        |                            |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  |                                                            |                                       |                                                                                                        |                            |                                                                                                                                  |              |                        |                                                                                                              |  |
|                                                                                                                             |                                                  | ANGULAR ±---°                                              |                                       | MATERIAL NO.                                                                                           |                            | DOCUMENT NO.                                                                                                                     |              | SHEET NO.              |                                                                                                              |  |
|                                                                                                                             |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | SEE TABLE                                                                                              |                            | SD-11112-2610                                                                                                                    |              | 3 OF 8                 |                                                                                                              |  |
|                                                                                                                             |                                                  |                                                            |                                       | SIZE D                                                                                                 |                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |                                                                                                              |  |

# PCB LAYOUT - SINGLE SIDE ONLY

## HOST CONNECTOR DETAIL

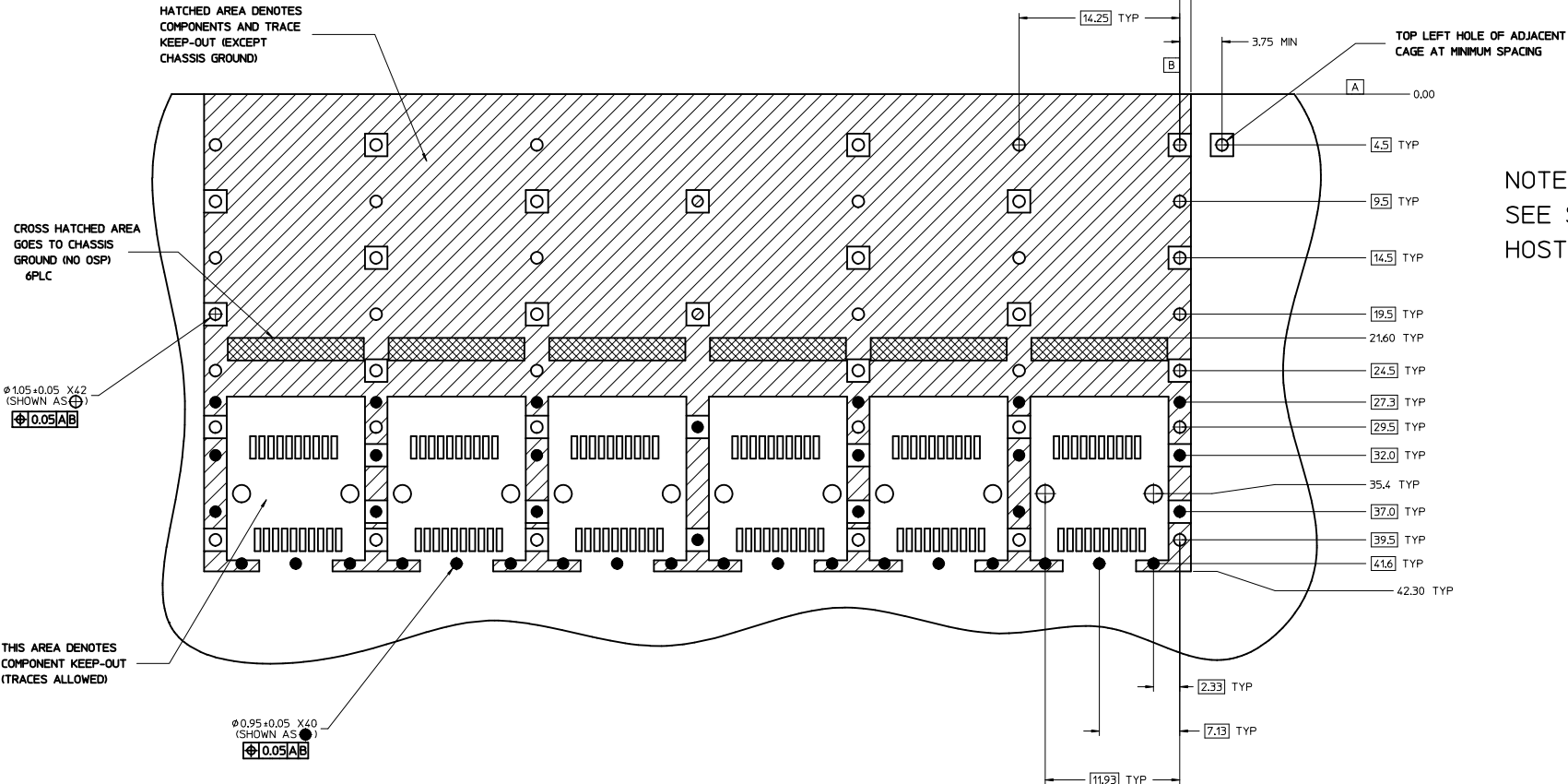


DETAIL 1  
Scale 8:1

- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
  4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
  5. MIN PCB THICKNESS FOR SINGLE SIDED USE: 1.57mm [0.062"]

|                                                                                                                              |                                                      |                                                                                                                                                                                                                                                                                                                               |                                      |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|-----------------------------------------------------------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|------|----------|------|------|----------|-------|------|---------|-------|------|---------|------|------|---------------------------------|--|-------|--|--|
| SEE REVISION TABLE<br>EC NO: CPG0015-2574<br>DRAWN BY: JHATON<br>CHKD: JHATON<br>APPROVAL DTD: 2013/02/15<br>REV: 2013/02/21 | QUALITY SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                         |                                      | DIMENSION STYLE<br>MM ONLY |                                                                 | SCALE<br>4:1 | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|                                                                                                                              | ▽=0                                                  | <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±0.13</td><td>±---</td></tr><tr><td>1 PLACE</td><td>±0.25</td><td>±---</td></tr><tr><td>0 PLACE</td><td>±---</td><td>±---</td></tr></table> |                                      |                            | mm                                                              | INCH         | 4 PLACES               | ±---                                                                                                         | ±--- | 3 PLACES | ±--- | ±--- | 2 PLACES | ±0.13 | ±--- | 1 PLACE | ±0.25 | ±--- | 0 PLACE | ±--- | ±--- | DRAWN BY JHATON DATE 2012/12/03 |  | TITLE |  |  |
|                                                                                                                              |                                                      | mm                                                                                                                                                                                                                                                                                                                            | INCH                                 |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|                                                                                                                              | 4 PLACES                                             | ±---                                                                                                                                                                                                                                                                                                                          | ±---                                 |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|                                                                                                                              | 3 PLACES                                             | ±---                                                                                                                                                                                                                                                                                                                          | ±---                                 |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
| 2 PLACES                                                                                                                     | ±0.13                                                | ±---                                                                                                                                                                                                                                                                                                                          |                                      |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
| 1 PLACE                                                                                                                      | ±0.25                                                | ±---                                                                                                                                                                                                                                                                                                                          |                                      |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
| 0 PLACE                                                                                                                      | ±---                                                 | ±---                                                                                                                                                                                                                                                                                                                          |                                      |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
| ▽=0                                                                                                                          |                                                      |                                                                                                                                                                                                                                                                                                                               | CHECKED BY MMCKERVEY DATE 2012/12/07 |                            | 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
| ▽=0                                                                                                                          |                                                      |                                                                                                                                                                                                                                                                                                                               | APPROVED BY KLOYD DATE 2012/12/20    |                            | molex                                                           |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|                                                                                                                              | ANGULAR ±---°                                        |                                                                                                                                                                                                                                                                                                                               | MATERIAL NO.                         |                            | DOCUMENT NO.                                                    |              | SHEET NO.              |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|                                                                                                                              | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                                                                                                                                                                                                               | SEE SHEET 3                          |                            | SD-11112-2610                                                   |              | 4 OF 8                 |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |
|                                                                                                                              | SIZE                                                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                                                                                                                 |                                      |                            |                                                                 |              |                        |                                                                                                              |      |          |      |      |          |       |      |         |       |      |         |      |      |                                 |  |       |  |  |

|    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |
|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|
| 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|



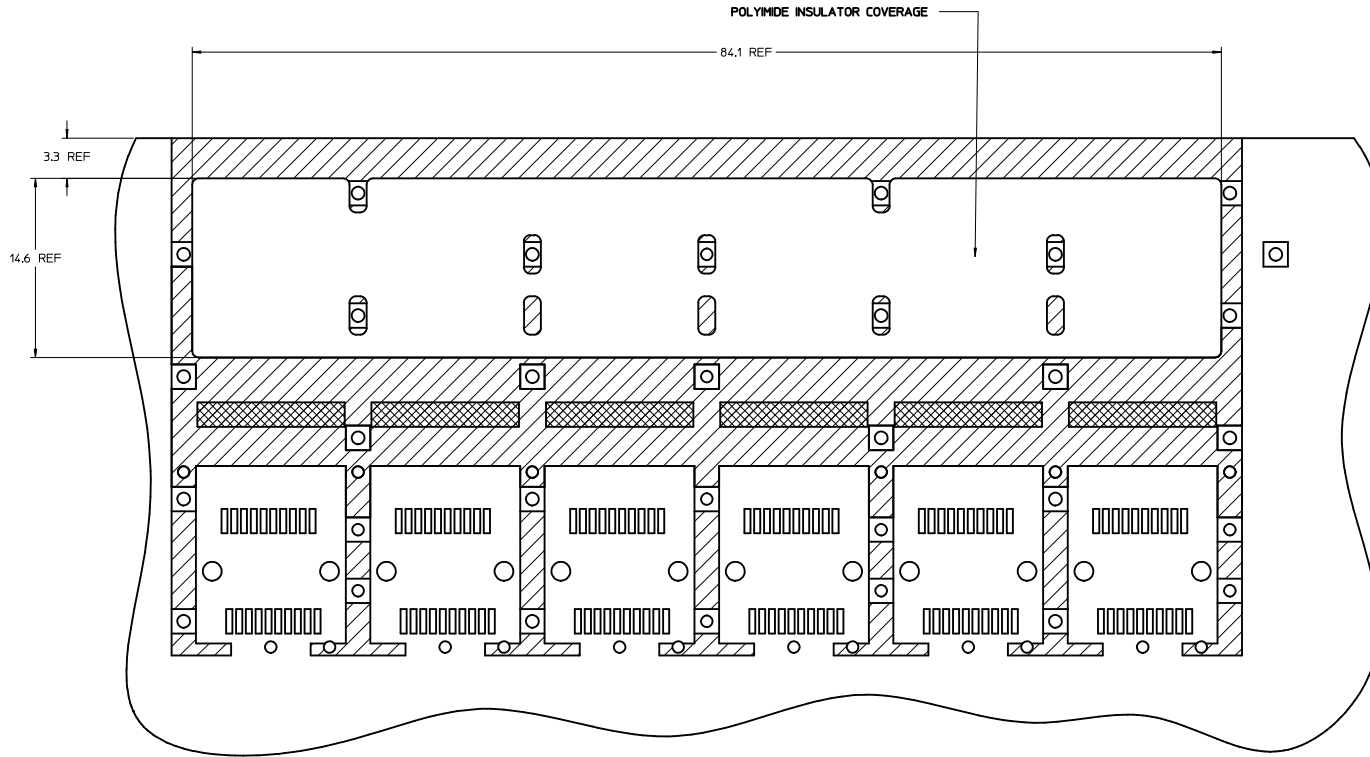
NOTE:  
SEE SHEET 4 FOR  
HOST CONNECTOR DETAIL

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
5. MIN PCB THICKNESS FOR BELLY TO BELLY USE: 3.00mm [0.118"]

| <div>SEE REVISION TABLE</div> <div>EC NO. : FPG2013-2574</div> <div>DRAWN BY : 2013/02/15</div> <div>CKD : 2013/02/15</div> <div>APPROVAL BY : 2013/02/15</div> |       | <div>QUALITY SYMBOLS</div> <div>▽=0</div> <div>▽=0</div> <div>▽=0</div>                                                                                  |  | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>±.00</td><td>±.00</td></tr><tr><td>3 PLACES</td><td>±.00</td><td>±.00</td></tr><tr><td>2 PLACES</td><td>±0.13</td><td>±.005</td></tr><tr><td>1 PLACE</td><td>±0.25</td><td>±.010</td></tr><tr><td>0 PLACE</td><td>±.00</td><td>±.00</td></tr></tbody></table> |  |                                                  | mm | INCH                                   | 4 PLACES | ±.00 | ±.00 | 3 PLACES | ±.00 | ±.00 | 2 PLACES | ±0.13 | ±.005 | 1 PLACE | ±0.25 | ±.010 | 0 PLACE | ±.00 | ±.00 | <div>DIMENSION STYLE</div> <div>MM ONLY</div> <div>DRAWN BY : JHATTON</div> <div>DATE : 2012/12/03</div> <div>CHECKED BY : MMCKERVEY</div> <div>DATE : 2012/12/07</div> <div>APPROVED BY : KLOYD</div> <div>DATE : 2012/12/20</div> |  | <div>SCALE : 5:1</div> <div>DESIGN UNITS : METRIC</div> <div> THIRD ANGLE PROJECTION</div> |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|----|----------------------------------------|----------|------|------|----------|------|------|----------|-------|-------|---------|-------|-------|---------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                 | mm    | INCH                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| 4 PLACES                                                                                                                                                        | ±.00  | ±.00                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| 3 PLACES                                                                                                                                                        | ±.00  | ±.00                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| 2 PLACES                                                                                                                                                        | ±0.13 | ±.005                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| 1 PLACE                                                                                                                                                         | ±0.25 | ±.010                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| 0 PLACE                                                                                                                                                         | ±.00  | ±.00                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| <div>DESCRIPTION</div> <div>1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMER GASKET</div> <div>molex</div>                                                |       | <div>TITLE</div> <div>1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMER GASKET</div> <div>molex</div>                                               |  | <div>MATERIAL NO.</div> <div>SEE SHEET 3</div>                                                                                                                                                                                                                                                                                                                                                                 |  | <div>DOCUMENT NO.</div> <div>SD-11112-2610</div> |    | <div>SHEET NO.</div> <div>5 OF 8</div> |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |
| <div>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</div>                                                                                                 |       | <div>SIZE</div> <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div> |  |                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                  |    |                                        |          |      |      |          |      |      |          |       |       |         |       |       |         |      |      |                                                                                                                                                                                                                                     |  |                                                                                                                                                                                 |  |

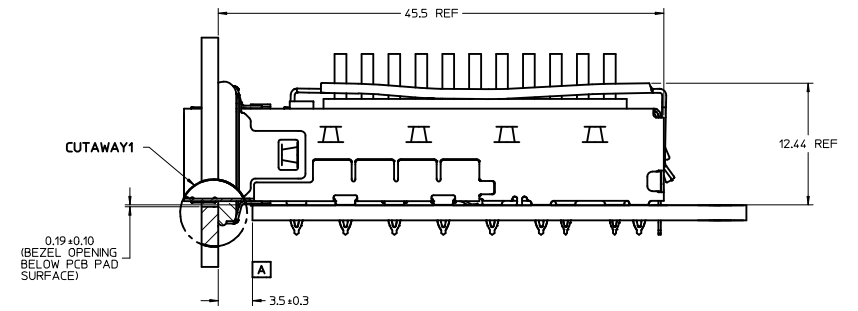
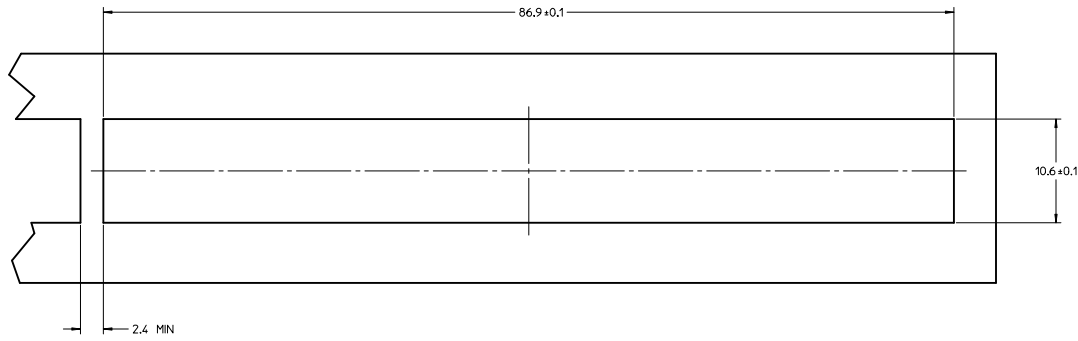
# POLYIMIDE INSULATOR COVERAGE AREA

(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)

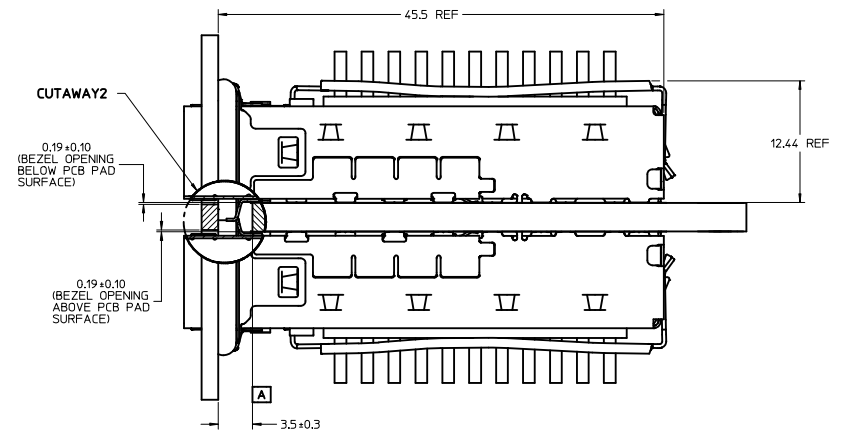
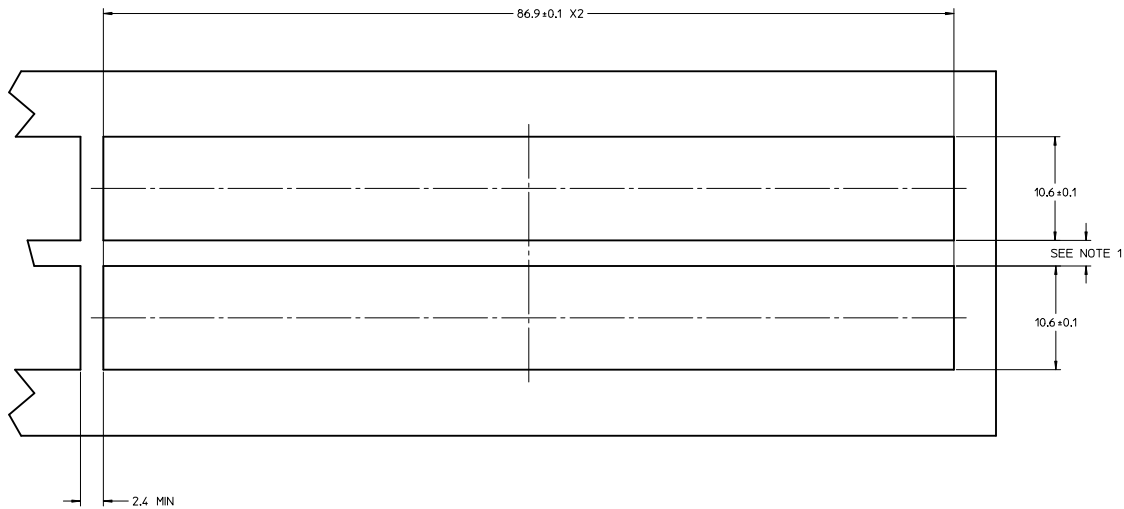


|                     |  |  |                       |  |                                                      |  |                   |  |                                                                                                                               |  |              |  |                                                                                       |  |
|---------------------|--|--|-----------------------|--|------------------------------------------------------|--|-------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|---------------------------------------------------------------------------------------|--|
| SEE REVISION TABLE  |  |  | QUALITY SYMBOLS       |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE   |  | SCALE                                                                                                                         |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION                                                                |  |
| EC NO. CPG2019-2574 |  |  | DRAWING NO.           |  | UNLESS SPECIFIED                                     |  | MM ONLY           |  | 5:1                                                                                                                           |  | METRIC       |  |  |  |
| CHKD: [signature]   |  |  | APPROVAL: [signature] |  |                                                      |  |                   |  |                                                                                                                               |  |              |  |                                                                                       |  |
| DATE 2013/02/15     |  |  | DATE 2013/02/12       |  |                                                      |  |                   |  |                                                                                                                               |  |              |  |                                                                                       |  |
|                     |  |  | DESCRIPTION           |  |                                                      |  |                   |  |                                                                                                                               |  |              |  |                                                                                       |  |
|                     |  |  | ▽=0                   |  | 4 PLACES ±0                                          |  | DRAWN BY JHATTION |  | DATE 2012/12/03                                                                                                               |  | TITLE        |  | 1X6 SFP+ CAGE.120 INCH                                                                |  |
|                     |  |  | ▽=0                   |  | 3 PLACES ±0                                          |  | CHECKED BY        |  | DATE                                                                                                                          |  |              |  | PRESS FIT, HEAT SINK,                                                                 |  |
|                     |  |  | ▽=0                   |  | 2 PLACES ±0.13                                       |  | MMCKERVEY         |  | 2012/12/07                                                                                                                    |  |              |  | ELASTOMERIC GASKET                                                                    |  |
|                     |  |  | ▽=0                   |  | 1 PLACE ±0.25                                        |  | APPROVED BY       |  | DATE                                                                                                                          |  |              |  | <b>molex</b>                                                                          |  |
|                     |  |  |                       |  | 0 PLACE ±                                            |  | KLLOYD            |  | 2012/12/20                                                                                                                    |  |              |  |                                                                                       |  |
|                     |  |  |                       |  |                                                      |  | MATERIAL NO.      |  | DOCUMENT NO.                                                                                                                  |  |              |  | SHEET NO.                                                                             |  |
|                     |  |  |                       |  | ANGULAR ±°                                           |  | SEE SHEET 3       |  | SD-11112-2610                                                                                                                 |  |              |  | 6 OF 8                                                                                |  |
|                     |  |  |                       |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | SIZE D            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |              |  |                                                                                       |  |

# BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (ELASTOMERIC GASKET)



# BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (ELASTOMERIC GASKET)



NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

|                                                                                               |                                                            |                                                                                                                                  |              |                            |               |              |                        |                                                                                           |  |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|---------------|--------------|------------------------|-------------------------------------------------------------------------------------------|--|
| SEE REVISION TABLE<br>EC NO: CP2010-2574<br>CHRG: BERNALIA<br>APPROVAL DTD: 2013/02/19<br>REV | QUALITY SYMBOLS                                            | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |              | DIMENSION STYLE<br>MM ONLY |               | SCALE<br>4:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                                    |  |
|                                                                                               | ▽=0                                                        | mm INCH                                                                                                                          |              | DRAWN BY DATE              |               | TITLE        |                        | 1X6 SFP+ CAGE.120 INCH<br>PRESS FIT, HEAT SINK,<br>ELASTOMERIC GASKET<br><br><b>molex</b> |  |
|                                                                                               | ▽=0                                                        | 4 PLACES ±                                                                                                                       | ---          | JHATON 2012/12/03          |               |              |                        |                                                                                           |  |
|                                                                                               | ▽=0                                                        | 3 PLACES ±                                                                                                                       | ---          | CHECKED BY DATE            |               |              |                        |                                                                                           |  |
|                                                                                               | ▽=0                                                        | 2 PLACES ±                                                                                                                       | 0.13         | MMCKERVEY 2012/12/07       |               |              |                        |                                                                                           |  |
|                                                                                               |                                                            | 1 PLACE ±                                                                                                                        | 0.25         | APPROVED BY DATE           |               |              |                        |                                                                                           |  |
|                                                                                               |                                                            | 0 PLACE ±                                                                                                                        | ---          | KLLOYD 2012/12/20          |               |              |                        |                                                                                           |  |
|                                                                                               | ANGULAR ±°                                                 |                                                                                                                                  | MATERIAL NO. |                            | DOCUMENT NO.  |              | SHEET NO.              |                                                                                           |  |
|                                                                                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                  | SEE SHEET 3  |                            | SD-11112-2610 |              | 7 OF 8                 |                                                                                           |  |
|                                                                                               | SIZE D                                                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                            |               |              |                        |                                                                                           |  |

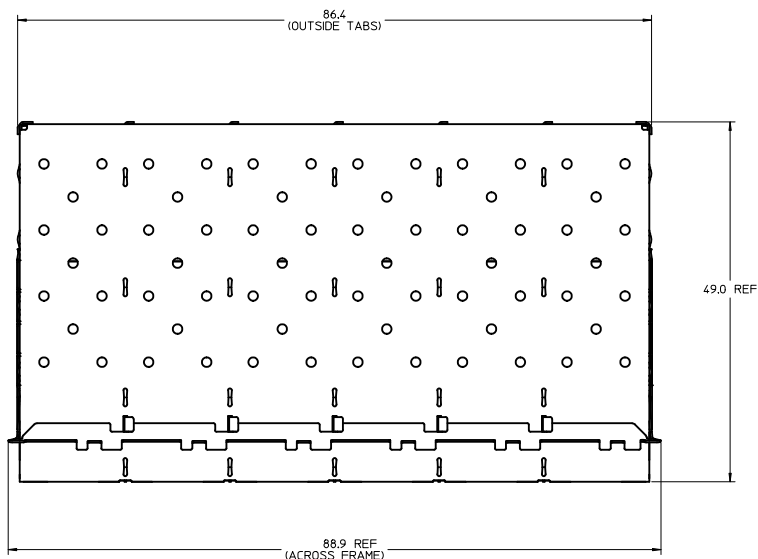


MM 3D-MODEL: TM-11112-2610

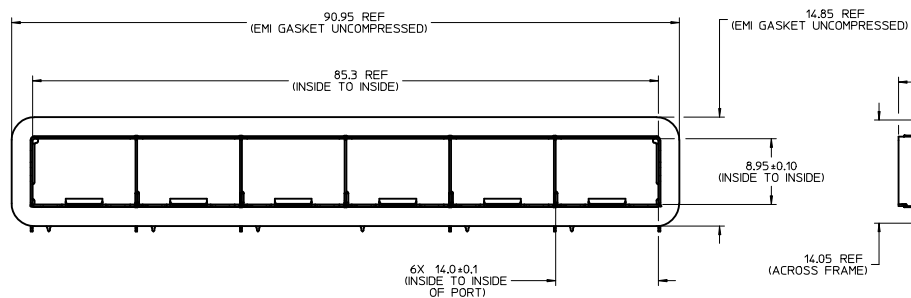
BASE CAGE DETAILS  
(APPLIES TO ALL CAGES IN THIS DRAWING)

747540610

SHOWN

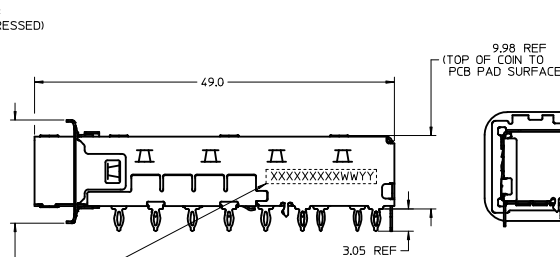
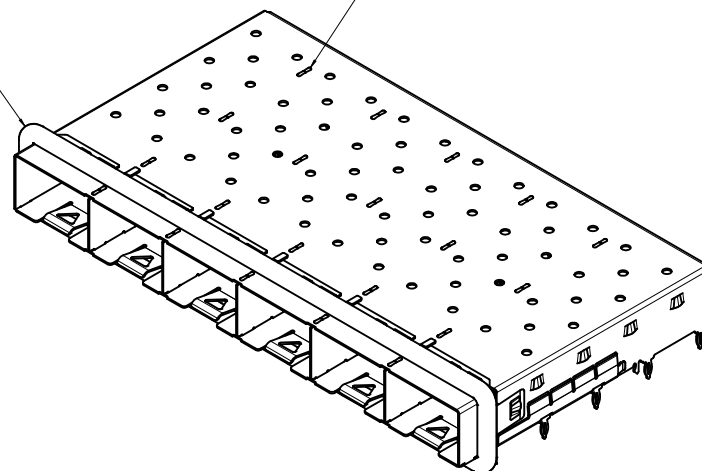


NOTE:  
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



- 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 WILL SHOW SLIGHT MATERIAL DISCOLORATION.
  - NO ROHS EXEMPTIONS.
  - CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

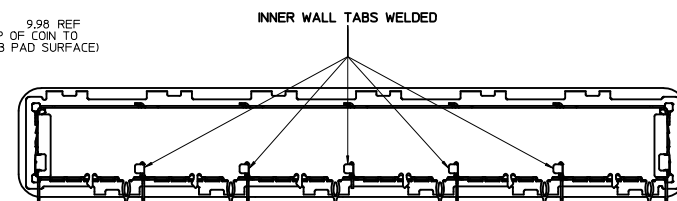
360° SOFT ELASTOMERIC GASKET

INNER WALLS ARE COINED  
FOR EXTRA RIGIDITY

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

| 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                                  |

NOTE:  
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.

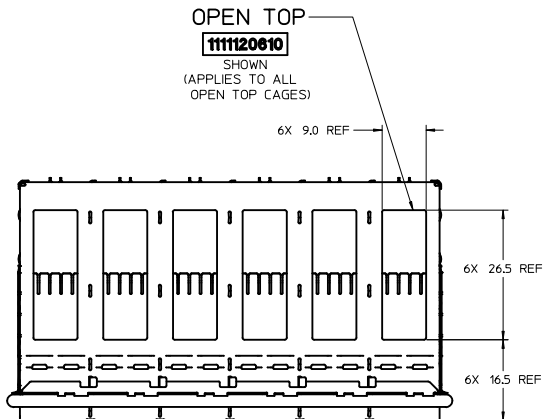


INNER WALL TABS WELDED

| SEE REVISION TABLE  |  | QUALITY SYMBOLS       |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                         |  | DIMENSION STYLE |  | SCALE      |  | DESIGN UNITS |  | THIRD ANGLE PROJECTION |  |
|---------------------|--|-----------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|------------|--|--------------|--|------------------------|--|
| EC NO: CPG2013-2574 |  | DRAWN BY: JHATTON     |  | mm                                                                                                                            |  | MM ONLY         |  | 3:1        |  | METRIC       |  | THIRD ANGLE PROJECTION |  |
| 2013/02/13          |  | CHECKED BY: MMCKERVEY |  | INCH                                                                                                                          |  | DATE            |  | DATE       |  | DATE         |  | DATE                   |  |
| 2013/02/21          |  | APPROVED BY: KLOYD    |  | 4 PLACES ±---                                                                                                                 |  | 2012/12/03      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | 3 PLACES ±---                                                                                                                 |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | 2 PLACES ±0.13                                                                                                                |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | 1 PLACE ±0.25                                                                                                                 |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | 0 PLACE ±---                                                                                                                  |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | ANGULAR ±---                                                                                                                  |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | DRAFT WHERE APPLICABLE                                                                                                        |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | MUST REMAIN WITHIN DIMENSIONS                                                                                                 |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | SIZE D                                                                                                                        |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |
| 2013/02/21          |  | 2013/02/21            |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | 2012/12/07      |  | 2012/12/07 |  | 2012/12/20   |  | 2012/12/20             |  |

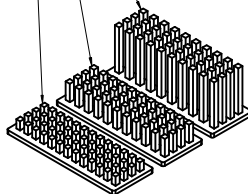
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

CAGE ASSEMBLY OPTIONS



HEATSINK OPTIONS

PIN FIELD NETWORKING  
PIN FIELD SAN  
PIN FIELD PCI



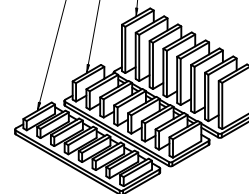
OVERALL HEATSINK HEIGHT

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

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

HEATSINK OPTIONS

LATERAL FIN NETWORKING  
LATERAL FIN SAN  
LATERAL FIN PCI

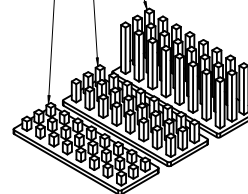


OVERALL HEATSINK HEIGHT

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

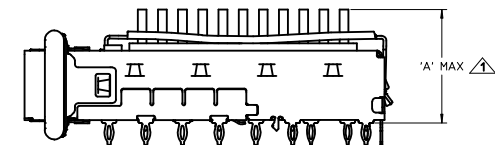
HEATSINK OPTIONS

WIDE GAP PIN NETWORKING  
WIDE GAP PIN SAN  
WIDE GAP PIN PCI



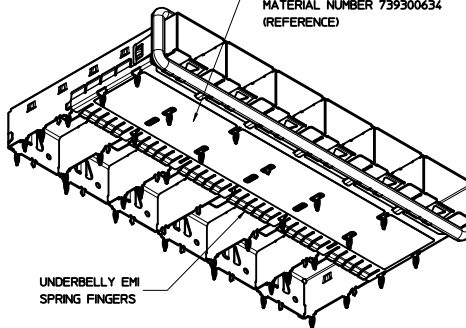
OVERALL HEATSINK HEIGHT

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



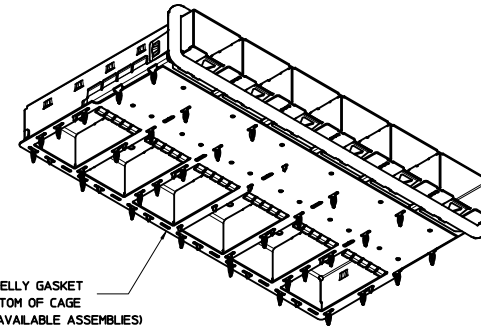
NOTES:  
▲ HEIGHT OF HEATSINK WITH MODULE INSERTED.  
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

OPTIONAL POLYIMIDE INSULATOR  
ATTACHED TO BOTTOM OF CAGE  
MATERIAL NUMBER 739300634  
(REFERENCE)

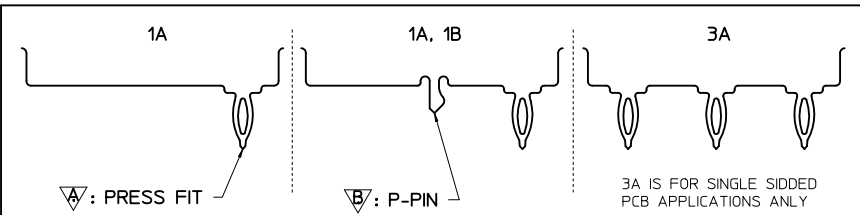


UNDERBELLY EM  
SPRING FINGERS

OPTIONAL UNDER BELLY GASKET  
ATTACHED TO BOTTOM OF CAGE  
(SEE P/N TABLES FOR AVAILABLE ASSEMBLIES)



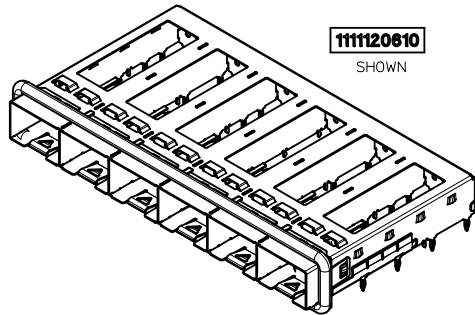
REAR LEG OPTIONS  
(PER PORT)



|                                                                                                |                                      |                                                                                                                                                                                                                                           |                                                                                              |                                                                  |                                                                                                |                               |                     |
|------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------|---------------------|
| SEE REVISION TABLE<br>EC NO: CPG2013-2574<br>2013/02/13<br>DRAWN:SWA/A<br>CHKD:<br>APPR:KLLOYD | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br>0 PLACE ± --- ± ---<br>ANGULAR ± ---<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS | DIMENSION STYLE<br>MM ONLY<br>DATE<br>2012/12/03<br>DATE<br>2012/12/07<br>DATE<br>2012/12/20 | SCALE<br>2:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION | TITLE<br>1X6 SFP+ CAGE.120 INCH<br>PRESS FIT, HEAT SINK,<br>ELASTOMERIC GASKET<br><b>molex</b> | DOCUMENT NO.<br>SD-11112-2610 | SHEET NO.<br>2 OF 8 |
|                                                                                                |                                      |                                                                                                                                                                                                                                           |                                                                                              |                                                                  |                                                                                                |                               |                     |
|                                                                                                |                                      |                                                                                                                                                                                                                                           |                                                                                              |                                                                  |                                                                                                |                               |                     |
|                                                                                                |                                      |                                                                                                                                                                                                                                           |                                                                                              |                                                                  |                                                                                                |                               |                     |

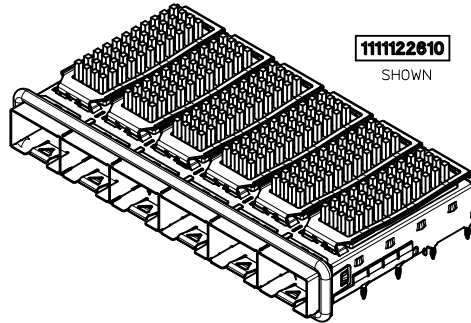
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

# PART NUMBER SELECTION



**1111120610**  
SHOWN

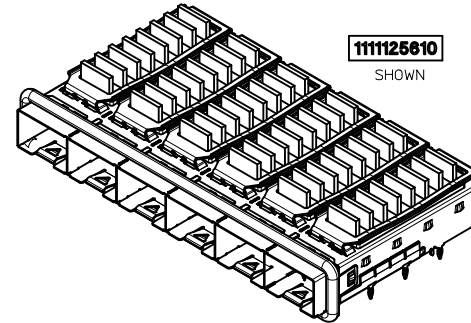
| SFP+ OPEN TOP BASE CAGE FOR HEATSINKS |                     |          |                         |
|---------------------------------------|---------------------|----------|-------------------------|
| PART NO.                              | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111120610                            | ---                 | ---      | 1A, 1B                  |
| 1111120650                            | YES                 | ---      | 1A, 1B                  |



**1111122610**  
SHOWN

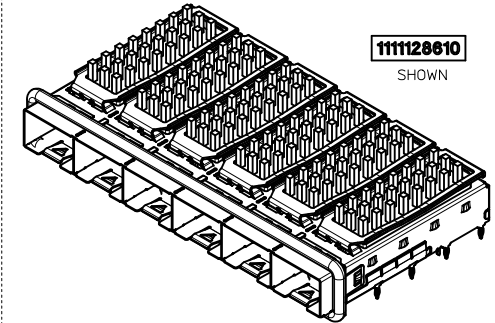
| SFP+ PIN FIELD HEATSINK OPTION |                     |          |                         |
|--------------------------------|---------------------|----------|-------------------------|
| PART NO.                       | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111121610                     | ---                 | PCI      | 1A, 1B                  |
| 1111121650                     | YES                 | PCI      | 1A, 1B                  |
| 1111122610                     | ---                 | SAN      | 1A, 1B                  |
| 1111122650                     | YES                 | SAN      | 1A, 1B                  |
| 1111123610                     | ---                 | NET      | 1A, 1B                  |
| 1111123650                     | YES                 | NET      | 1A, 1B                  |

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



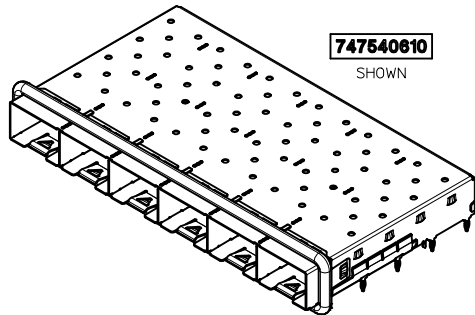
**1111125610**  
SHOWN

| SFP+ LATERAL FIN HEATSINK OPTION |                     |          |                         |
|----------------------------------|---------------------|----------|-------------------------|
| PART NO.                         | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111124610                       | ---                 | PCI      | 1A, 1B                  |
| 1111124650                       | YES                 | PCI      | 1A, 1B                  |
| 1111125610                       | ---                 | SAN      | 1A, 1B                  |
| 1111125650                       | YES                 | SAN      | 1A, 1B                  |
| 1111126610                       | ---                 | NET      | 1A, 1B                  |
| 1111126650                       | YES                 | NET      | 1A, 1B                  |



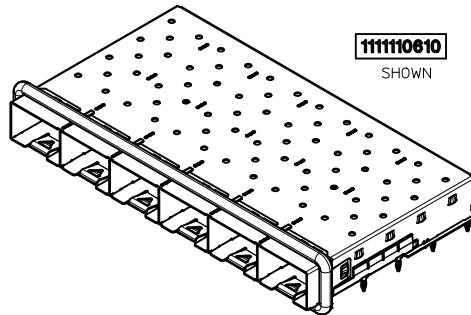
**1111128610**  
SHOWN

| SFP+ WIDE GAP PIN FIELD HEATSINK OPTION |                     |          |                         |
|-----------------------------------------|---------------------|----------|-------------------------|
| PART NO.                                | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111127610                              | ---                 | PCI      | 1A, 1B                  |
| 1111127650                              | YES                 | PCI      | 1A, 1B                  |
| 1111128610                              | ---                 | SAN      | 1A, 1B                  |
| 1111128650                              | YES                 | SAN      | 1A, 1B                  |
| 1111129610                              | ---                 | NET      | 1A, 1B                  |
| 1111129650                              | YES                 | NET      | 1A, 1B                  |



**747540610**  
SHOWN

| SFP+ CLOSED TOP CAGE |                     |          |                         |
|----------------------|---------------------|----------|-------------------------|
| PART NO.             | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 747540610            | ---                 | ---      | 1A, 1B                  |
| 747540611            | ---                 | ---      | 3A                      |
| 747540613            | ---                 | ---      | 1A, 1B                  |



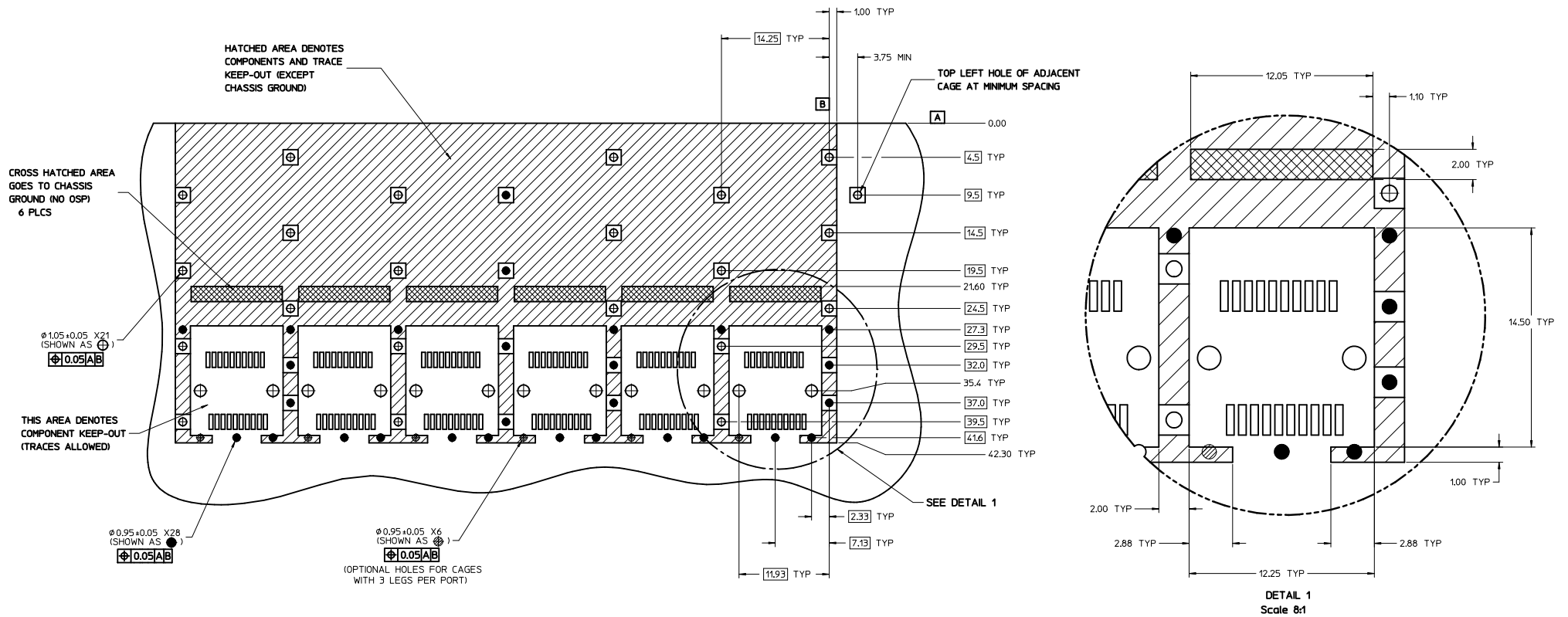
**1111110610**  
SHOWN

| zSFP+ CLOSED TOP WITH UNDER BELLY GASKET |                     |          |                         |
|------------------------------------------|---------------------|----------|-------------------------|
| PART NO.                                 | POLYIMIDE INSULATOR | HEATSINK | # OF REAR LEGS PER PORT |
| 1111110610                               | ---                 | ---      | 1A, 1B                  |

|                                                                                                                         |                                      |                                                                                                                               |                                       |                                                   |                            |  |                                                                                       |  |                        |                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------|----------------------------|--|---------------------------------------------------------------------------------------|--|------------------------|--------------------------------------------------------------------------------------------------------------|
| SEE REVISION TABLE<br>EC NO. CPG2013-2574<br>DRAWN: S.W.A.J.A.<br>CHKD: CHX<br>APP: K.LLOYD<br>2013/02/13<br>2013/02/21 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | DESCRIPTION                                                                                                                   | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                   | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>2:1                                                                          |  | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |
|                                                                                                                         |                                      |                                                                                                                               | mm INCH                               |                                                   | DRAWN BY DATE              |  | TITLE                                                                                 |  |                        |                                                                                                              |
|                                                                                                                         |                                      |                                                                                                                               | 4 PLACES ± ±                          |                                                   | JHATON 2012/12/03          |  | 1X6 SFP+ CAGE.120 INCH<br>PRESS FIT, HEAT SINK,<br>ELASTOMERIC GASKET<br><b>molex</b> |  |                        |                                                                                                              |
|                                                                                                                         |                                      |                                                                                                                               | 3 PLACES ± ±                          |                                                   | CHECKED BY DATE            |  |                                                                                       |  |                        |                                                                                                              |
|                                                                                                                         |                                      |                                                                                                                               | 2 PLACES ± 0.13 ±                     |                                                   | MMKERVEY 2012/12/07        |  |                                                                                       |  |                        |                                                                                                              |
| 1 PLACE ± 0.25 ±                                                                                                        |                                      | APPROVED BY DATE                                                                                                              |                                       | MATERIAL NO. SEE TABLE DOCUMENT NO. SD-11112-2610 |                            |  |                                                                                       |  |                        |                                                                                                              |
| 0 PLACE ± ±                                                                                                             |                                      | KLLOYD 2012/12/20                                                                                                             |                                       |                                                   |                            |  |                                                                                       |  |                        |                                                                                                              |
| ANGULAR ±°                                                                                                              |                                      | SIZE D                                                                                                                        |                                       |                                                   |                            |  |                                                                                       |  |                        |                                                                                                              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                    |                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |                                                   |                            |  |                                                                                       |  |                        |                                                                                                              |

## PCB LAYOUT - SINGLE SIDE ONLY

## HOST CONNECTOR DETAIL

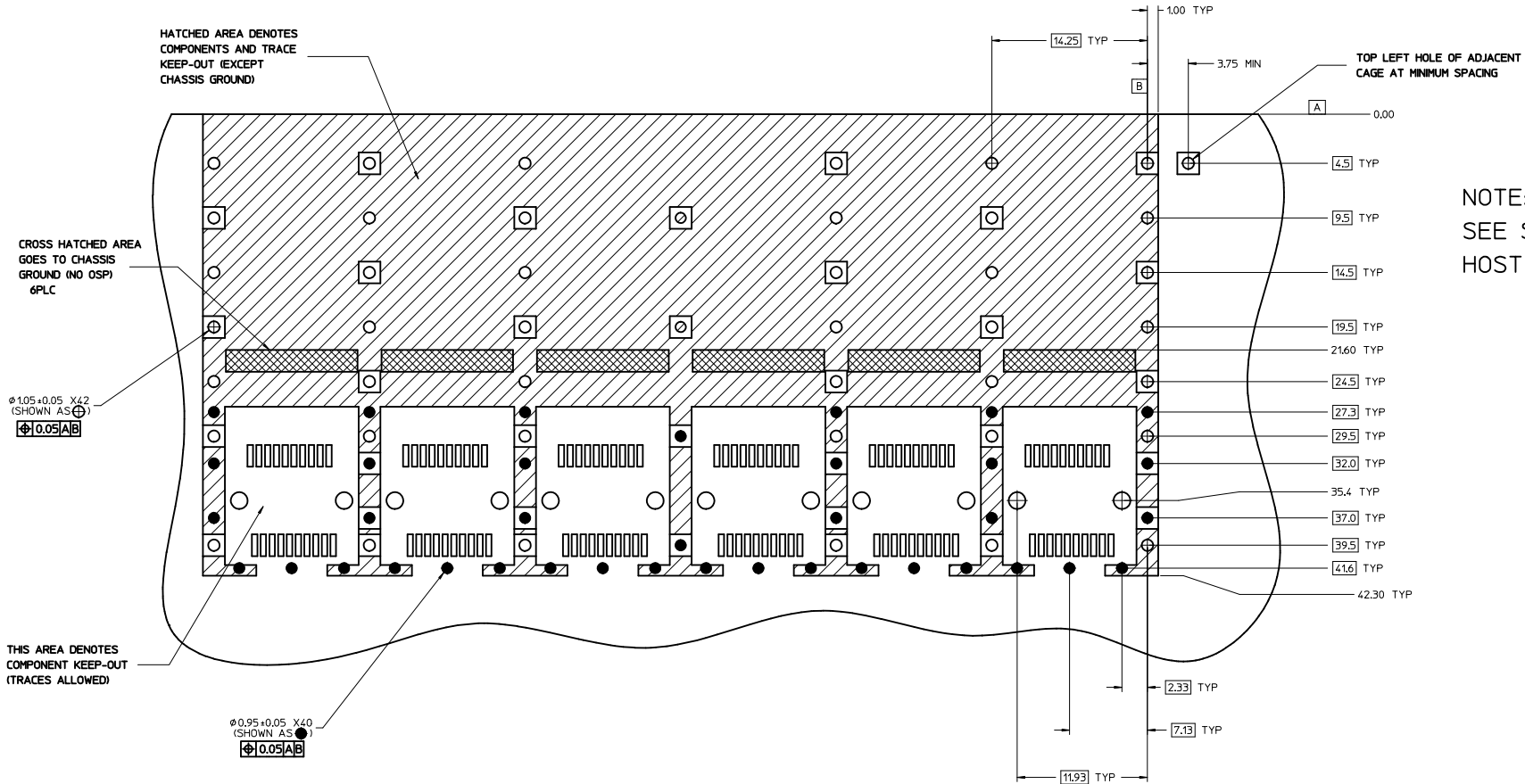


## NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
5. MIN PCB THICKNESS FOR SINGLE SIDED USE: 1.57mm [0.062"]

|                                                                                |            |            |                 |                                       |                                                                                                                               |                                         |  |                                                                          |                        |                                                                                                              |
|--------------------------------------------------------------------------------|------------|------------|-----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|--------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|
| SEE REVISION TABLE<br>EC NO: CPG2013-2574<br>DRWN:SWAJA<br>CHKD:<br>APPR:KLOYD | 2013/02/15 | 2013/02/21 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | DIMENSION STYLE<br>MM ONLY              |  | SCALE<br>4:1                                                             | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |
|                                                                                |            |            | $\nabla=0$      |                                       |                                                                                                                               | DRAWN BY DATE<br>JHATTON 2012/12/03     |  | TITLE<br>1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET |                        |                                                                                                              |
|                                                                                |            |            | $\nabla=0$      |                                       |                                                                                                                               | CHECKED BY DATE<br>MMCKERVEY 2012/12/07 |  | <b>molex</b><br>DOCUMENT NO. SD-11112-2610<br>SHEET NO. 4 OF 8           |                        |                                                                                                              |
|                                                                                |            |            | $\nabla=0$      |                                       |                                                                                                                               | APPROVED BY DATE<br>KLOYD 2012/12/20    |  |                                                                          |                        |                                                                                                              |
|                                                                                |            |            | $\nabla=0$      |                                       |                                                                                                                               | MATERIAL NO.                            |  |                                                                          |                        |                                                                                                              |
|                                                                                |            |            | $\nabla=0$      |                                       |                                                                                                                               | SEE SHEET 3                             |  |                                                                          |                        |                                                                                                              |
|                                                                                |            |            | $\nabla=0$      |                                       |                                                                                                                               | SIZE D                                  |  |                                                                          |                        |                                                                                                              |
|                                                                                |            | $\nabla=0$ |                 |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                         |  |                                                                          |                        |                                                                                                              |

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



NOTE:  
SEE SHEET 4 FOR  
HOST CONNECTOR DETAIL

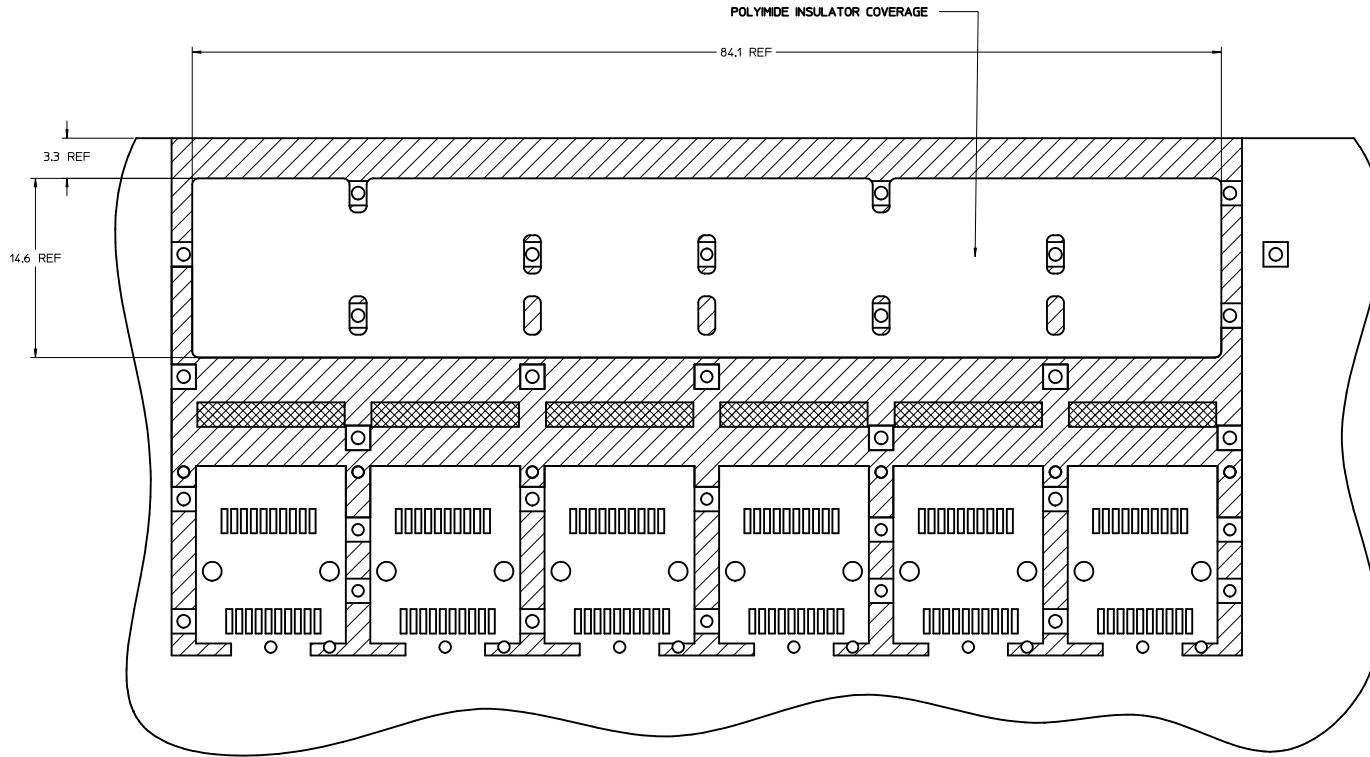
## NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.
5. MIN PCB THICKNESS FOR BELLY TO BELLY USE: 3.00mm [0.118"]

| REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                |      | DIMENSION STYLE  |                      | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-----|-------------|-----------------|------------------------------------------------------|------|------------------|----------------------|-------|--------------|------------------------|
|     |             |                 | mm                                                   | INCH | MM ONLY          | DATE                 |       |              |                        |
| 1   | 4 PLACES ±  | ▽=0             | ±                                                    | ---  |                  | JHATTON 2012/12/03   | 5:1   | METRIC       |                        |
| 2   | 3 PLACES ±  | ▽=0             | ±                                                    | ---  |                  | MMCKERVEY 2012/12/07 |       |              |                        |
| 3   | 2 PLACES ±  | ▽=0             | ±                                                    | ---  |                  |                      |       |              |                        |
| 4   | 1 PLACE ±   |                 | ±                                                    | ---  |                  |                      |       |              |                        |
| 5   | 0 PLACE ±   |                 | ±                                                    | ---  |                  |                      |       |              |                        |
|     |             |                 | ANGULAR ±                                            |      | DATE             |                      |       |              |                        |
|     |             |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |      | DATE             |                      |       |              |                        |
|     |             |                 |                                                      |      | APPROVED BY      |                      |       |              |                        |
|     |             |                 |                                                      |      | DATE             |                      |       |              |                        |
|     |             |                 |                                                      |      | KLOYD 2012/12/20 |                      |       |              |                        |
|     |             |                 |                                                      |      | MATERIAL NO.     |                      |       |              |                        |
|     |             |                 |                                                      |      | SEE SHEET 3      |                      |       |              |                        |
|     |             |                 |                                                      |      | DOCUMENT NO.     |                      |       |              |                        |
|     |             |                 |                                                      |      | SD-111112-2610   |                      |       |              |                        |
|     |             |                 |                                                      |      | SHEET NO.        |                      |       |              |                        |
|     |             |                 |                                                      |      | 5 OF 8           |                      |       |              |                        |

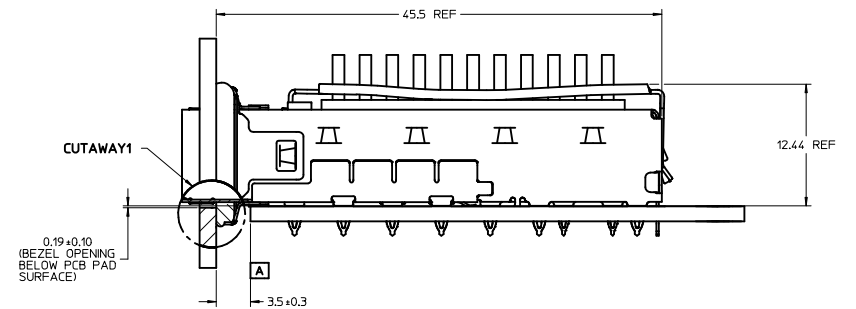
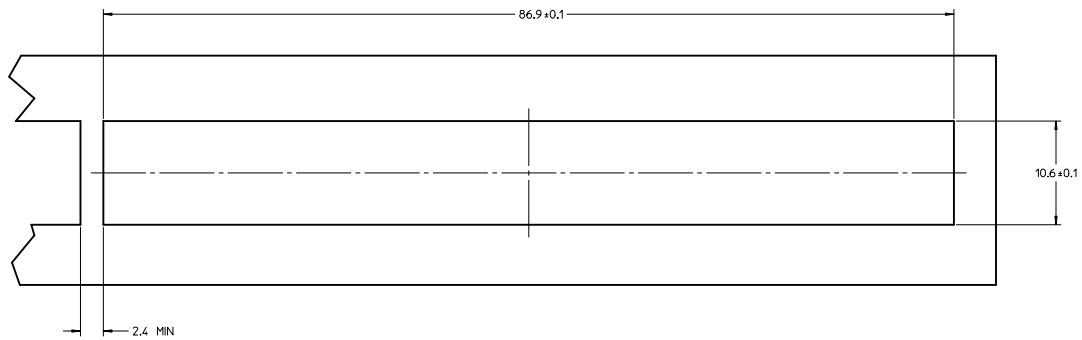
# POLYIMIDE INSULATOR COVERAGE AREA

(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)

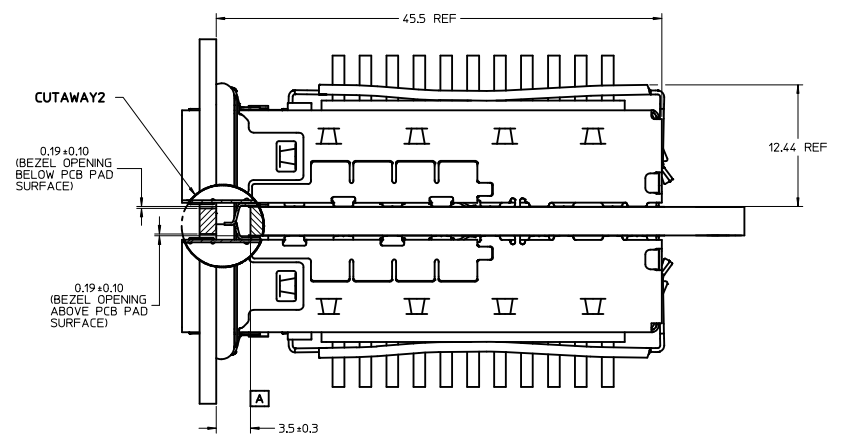
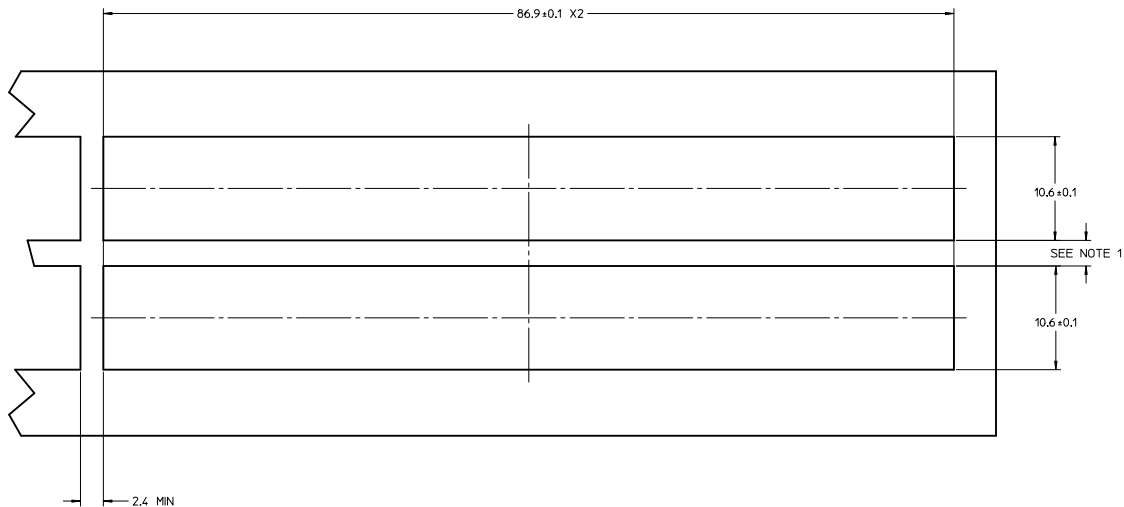


|                                                                                                            |                 |                                                            |                                       |  |                 |            |                                                                                                                               |              |                                                                                           |  |              |           |  |
|------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------|---------------------------------------|--|-----------------|------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------|--|--------------|-----------|--|
| SEE REVISION TABLE<br>EC NO. CFA2019-2574<br>DRAWN BY<br>CHKD:<br>APPROVAL DTD<br>2013/02/13<br>2013/02/21 | QUALITY SYMBOLS | DESCRIPTION                                                | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE |            | SCALE                                                                                                                         | DESIGN UNITS | THIRD ANGLE PROJECTION                                                                    |  |              |           |  |
|                                                                                                            |                 |                                                            |                                       |  | MM ONLY         |            | 5:1                                                                                                                           | METRIC       |      |  |              |           |  |
|                                                                                                            |                 |                                                            |                                       |  | DRAWN BY        | DATE       | TITLE                                                                                                                         |              | 1X6 SFP+ CAGE.120 INCH<br>PRESS FIT, HEAT SINK,<br>ELASTOMERIC GASKET<br><br><b>molex</b> |  |              |           |  |
|                                                                                                            |                 |                                                            | 4 PLACES                              |  | JHATION         | 2012/12/03 |                                                                                                                               |              |                                                                                           |  |              |           |  |
|                                                                                                            |                 |                                                            | 3 PLACES                              |  | CHECKED BY      |            | DATE                                                                                                                          |              |                                                                                           |  |              |           |  |
|                                                                                                            |                 |                                                            | 2 PLACES                              |  | MMCKERVEY       | 2012/12/07 |                                                                                                                               |              |                                                                                           |  |              |           |  |
|                                                                                                            |                 |                                                            | 1 PLACE                               |  | APPROVED BY     |            | DATE                                                                                                                          |              |                                                                                           |  |              |           |  |
|                                                                                                            |                 |                                                            | 0 PLACE                               |  | KLLOYD          | 2012/12/20 |                                                                                                                               |              | MATERIAL NO.                                                                              |  | DOCUMENT NO. | SHEET NO. |  |
|                                                                                                            |                 |                                                            |                                       |  | SEE SHEET 3     |            | SD-11112-2610                                                                                                                 |              |                                                                                           |  | 6 OF 8       |           |  |
|                                                                                                            |                 |                                                            |                                       |  | SIZE D          |            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                                                                                           |  |              |           |  |
|                                                                                                            |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       |  |                 |            |                                                                                                                               |              |                                                                                           |  |              |           |  |

# BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING (ELASTOMERIC GASKET)



# BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING (ELASTOMERIC GASKET)



NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

| QUALITY SYMBOLS     |  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE                                                                                                               |  | SCALE                                                           | DESIGN UNITS | THIRD ANGLE PROJECTION |  |
|---------------------|--|---------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--------------|------------------------|--|
|                     |  |                                       |  | MM ONLY                                                                                                                       |  | 4:1                                                             | METRIC       |                        |  |
| ▽=0                 |  | mm                                    |  | INCH                                                                                                                          |  |                                                                 |              |                        |  |
| ▽=0                 |  | 4 PLACES ± ---                        |  | ± ---                                                                                                                         |  |                                                                 |              |                        |  |
| ▽=0                 |  | 3 PLACES ± ---                        |  | ± ---                                                                                                                         |  |                                                                 |              |                        |  |
| ▽=0                 |  | 2 PLACES ± 0.13                       |  | ± ---                                                                                                                         |  |                                                                 |              |                        |  |
|                     |  | 1 PLACE ± 0.25                        |  | ± ---                                                                                                                         |  |                                                                 |              |                        |  |
|                     |  | 0 PLACE ± ---                         |  | ± ---                                                                                                                         |  |                                                                 |              |                        |  |
|                     |  | ANGULAR ± ---°                        |  |                                                                                                                               |  |                                                                 |              |                        |  |
|                     |  | DRAFT WHERE APPLICABLE                |  | MUST REMAIN WITHIN DIMENSIONS                                                                                                 |  |                                                                 |              |                        |  |
| SEE REVISION TABLE  |  | DRAWN BY                              |  | DATE                                                                                                                          |  | TITLE                                                           |              |                        |  |
| EC NO: CPG2013-2574 |  | JHATTON                               |  | 2012/12/03                                                                                                                    |  | 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET |              |                        |  |
| DRAWN BY            |  | CHECKED BY                            |  | DATE                                                                                                                          |  |                                                                 |              |                        |  |
| CHKD: DRWNSWJA      |  | MMCKERVEY                             |  | 2012/12/07                                                                                                                    |  |                                                                 |              |                        |  |
| APPR:KLLOYD         |  | APPROVED BY                           |  | DATE                                                                                                                          |  |                                                                 |              |                        |  |
|                     |  | KLLOYD                                |  | 2012/12/20                                                                                                                    |  |                                                                 |              |                        |  |
|                     |  | MATERIAL NO.                          |  | DOCUMENT NO.                                                                                                                  |  |                                                                 |              |                        |  |
|                     |  | SEE SHEET 3                           |  | SD-111112-2610                                                                                                                |  |                                                                 |              |                        |  |
|                     |  | SIZE                                  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                 |              |                        |  |

