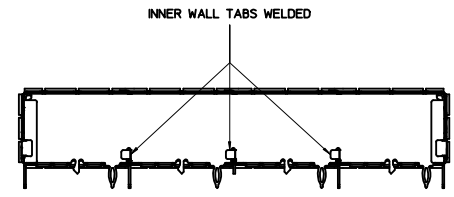
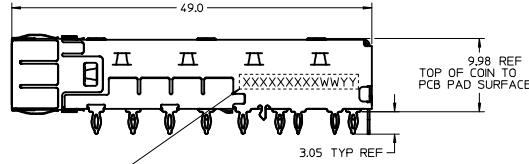
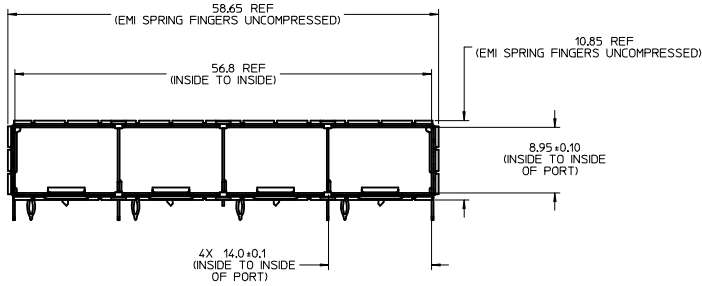
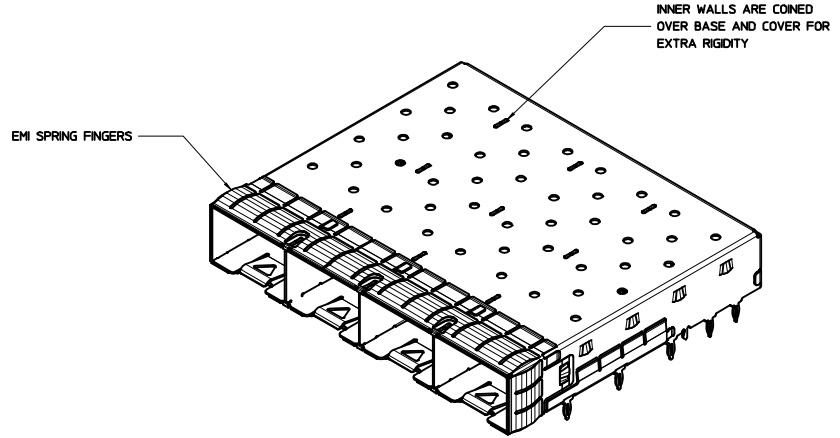
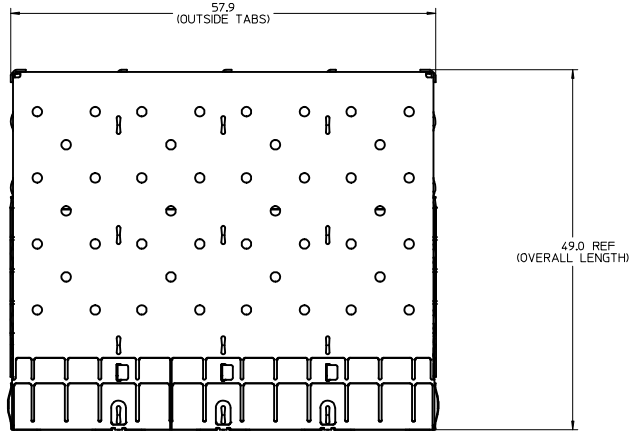


3D MODEL: TM-11112-2420

# BASE CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

**747540420**  
SHOWN



PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.

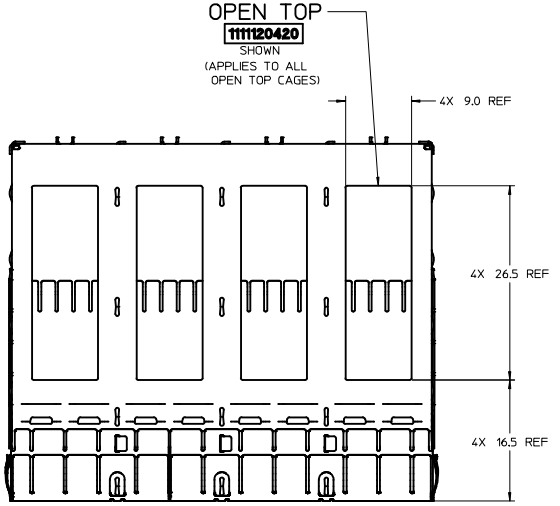
WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13

- 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.

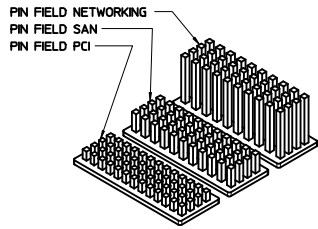
<b>SEE REVISION TABLE</b> IEC NO: CPG2014-0691 DRAWN BY: TDR/WN/CHEN08 CHECKED BY: CHY/DRT/SAL APPR: K/LOYD DATE: 2013/09/06 DATE: 2013/09/09 DATE: 2013/10/09	<b>QUALITY SYMBOLS</b> ∇=0 ∇=0 ∇=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>3 PLACES</td> <td>± .008</td> <td>± .0008</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.15</td> <td>± .005</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </table>		mm	INCH	4 PLACES	± .005	± .0005	3 PLACES	± .008	± .0008	2 PLACES	± 0.15	± .005	1 PLACE	± 0.25	± .010	0 PLACE	±	±	<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> 3:1	<b>DESIGN UNITS</b> METRIC	THIRD ANGLE PROJECTION
				mm	INCH																			
4 PLACES	± .005	± .0005																						
3 PLACES	± .008	± .0008																						
2 PLACES	± 0.15	± .005																						
1 PLACE	± 0.25	± .010																						
0 PLACE	±	±																						
DRAWN BY: RMIKL/INSKI DATE: 2011/06/20 CHECKED BY: MCKERVEY DATE: 2011/08/26 APPROVED BY: K/LOYD DATE: 2012/08/14	<b>TITLE</b> SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS WITH EMI SPRING FINGERS	<b>MATERIAL NO.</b> SEE SHEET 3	<b>DOCUMENT NO.</b> SD-11112-2420	<b>SHEET NO.</b> 1 OF 8																				

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

### CAGE ASSEMBLY OPTIONS



#### HEATSINK OPTIONS

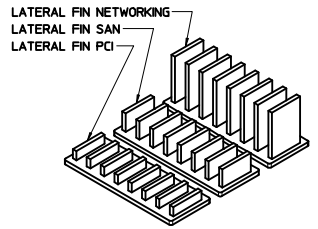


#### OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

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

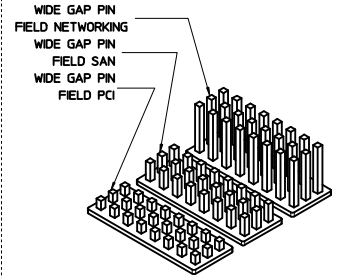
#### HEATSINK OPTIONS



#### OVERALL HEATSINK HEIGHT

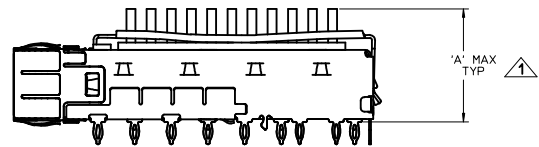
APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

#### HEATSINK OPTIONS

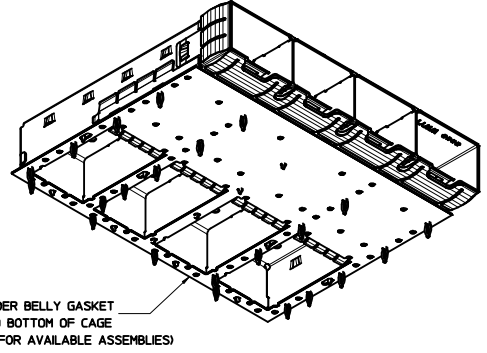
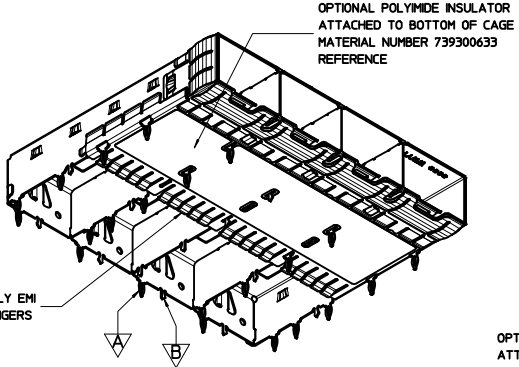


#### OVERALL HEATSINK HEIGHT

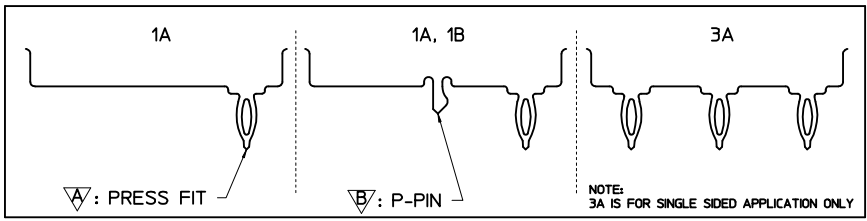
APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6



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



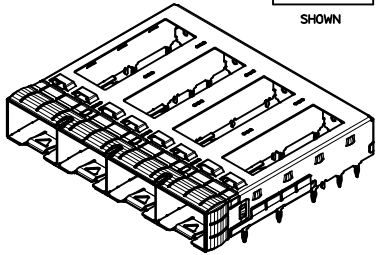
### REAR LEG OPTIONS (PER PORT)



SEE REVISION TABLE EC NO: CPG2014-0691 DRAWN BY: CHYKORTSAI CHECKED BY: APPERKLOYD	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DATE	DATE			
		4 PLACES	± .005	± .005	RMIKLINSKI	2011/06/20		SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS WITH EMI SPRING FINGERS <b>molex</b> DOCUMENT NO. SD-11112-2420
		3 PLACES	± .010	± .010	DATE			
		2 PLACES	± 0.15	± .010	MMCKERVEY	2011/08/26		
		1 PLACE	± 0.25	± .010	DATE			
		0 PLACE	±	±	KLOYD	2012/08/14		
ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE SHEET 3		SHEET NO. 2 OF 8		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

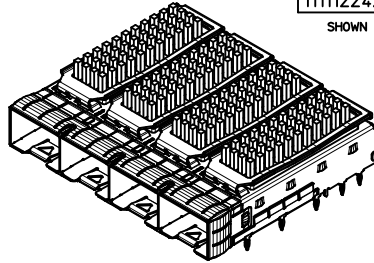
## PART NUMBER SELECTION

**1111120420**  
SHOWN



SFP+ OPEN TOP BASE CAGE FOR HEATSINK		
PART NO.	POLYIMIDE INSULATOR	# OF REAR LEGS PER PORT
1111120420	---	1A, 1B
1111120460	YES	1A, 1B

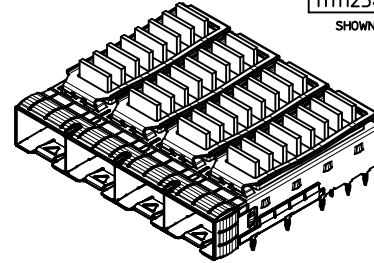
**1111122420**  
SHOWN



SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111121420	---	PCI	1A, 1B
1111121460	YES	PCI	1A, 1B
1111122420	---	SAN	1A, 1B
1111122460	YES	SAN	1A, 1B
1111123420	---	NET	1A, 1B
1111123460	YES	NET	1A, 1B

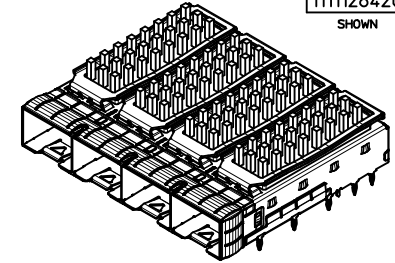
NOTE: PCI - 13 ROWS  
SAN - 11 ROWS  
NET - 10 ROWS

**1111125420**  
SHOWN



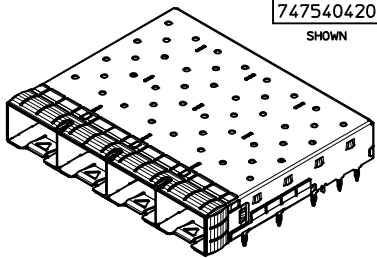
SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111124420	---	PCI	1A, 1B
1111124460	YES	PCI	1A, 1B
1111125420	---	SAN	1A, 1B
1111125460	YES	SAN	1A, 1B
1111126420	---	NET	1A, 1B
1111126460	YES	NET	1A, 1B

**1111128420**  
SHOWN



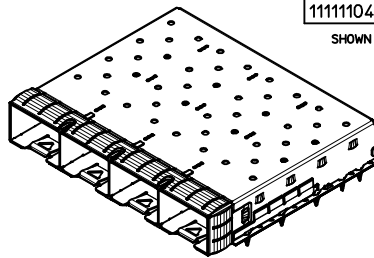
SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111127420	---	PCI	1A, 1B
1111127460	YES	PCI	1A, 1B
1111128420	---	SAN	1A, 1B
1111128460	YES	SAN	1A, 1B
1111129420	---	NET	1A, 1B
1111129460	YES	NET	1A, 1B

**747540420**  
SHOWN



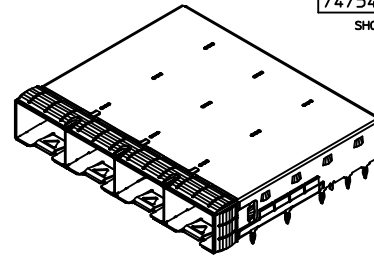
SFP+ CLOSED TOP BASE CAGE		
PART NO.	WELD POINT QUANTITY	# OF REAR LEGS PER PORT
747540420	6	1A, 1B
747540422	6	3A
747540423	19 <small>(15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)</small>	1A, 1B

**1111110420**  
SHOWN



zSFP+ CLOSED TOP BASE CAGE W/ BELLY GASKET	
PART NO.	# OF REAR LEGS PER PORT
1111110420	1A, 1B

**747540426**  
SHOWN

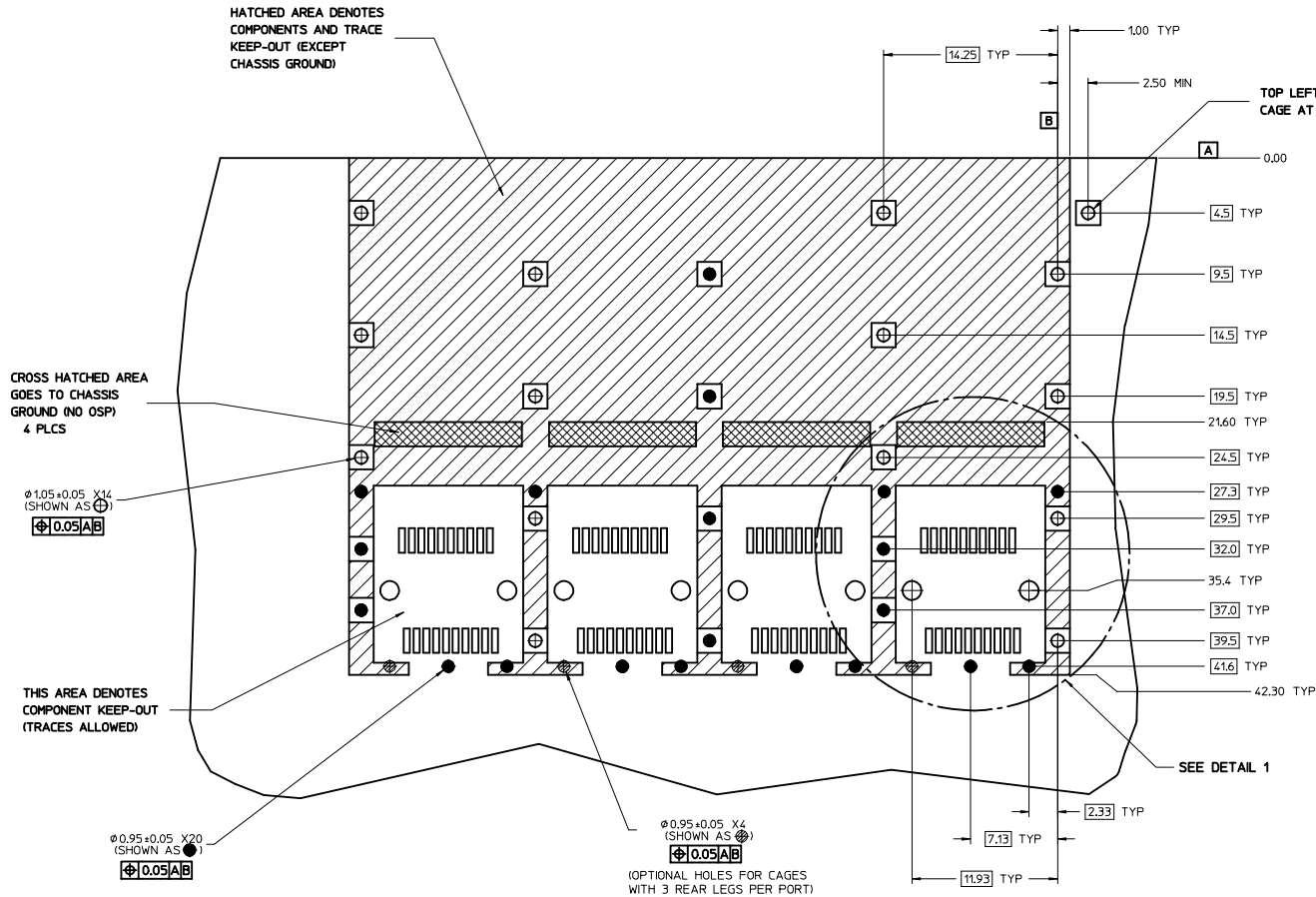


SFP+ CLOSED TOP BASE CAGE		
PART NO.	WELD POINT QUANTITY	# OF REAR LEGS PER PORT
747540426	6 <small>(15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)</small>	1A, 1B

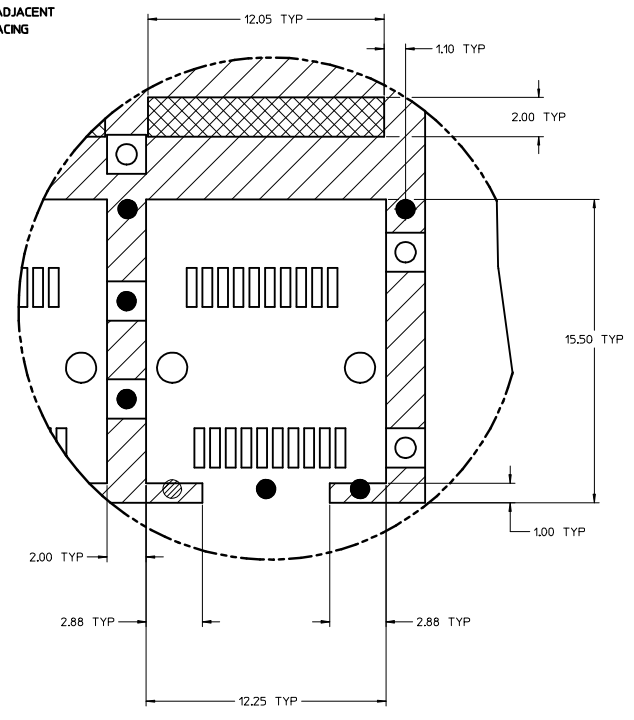
<b>SEE REVISION TABLE</b> EC NO: CPG2014-0691 TDRWNRCHEN08 2013/09/06 CHYKORTSA 2013/09/09 APPR:KLOYD 2013/10/09	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		DRAWN BY RMIKLINSKI	DATE 2011/06/20	TITLE SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS	<b>molex</b>		
		CHECKED BY MMCKERVEY	DATE 2011/08/26				
		APPROVED BY KLOYD	DATE 2012/08/14	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-11112-2420	SHEET NO. 3 OF 8	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

PCB LAYOUT FOR SINGLE SIDE MOUNT



HOST CONNECTOR DETAIL

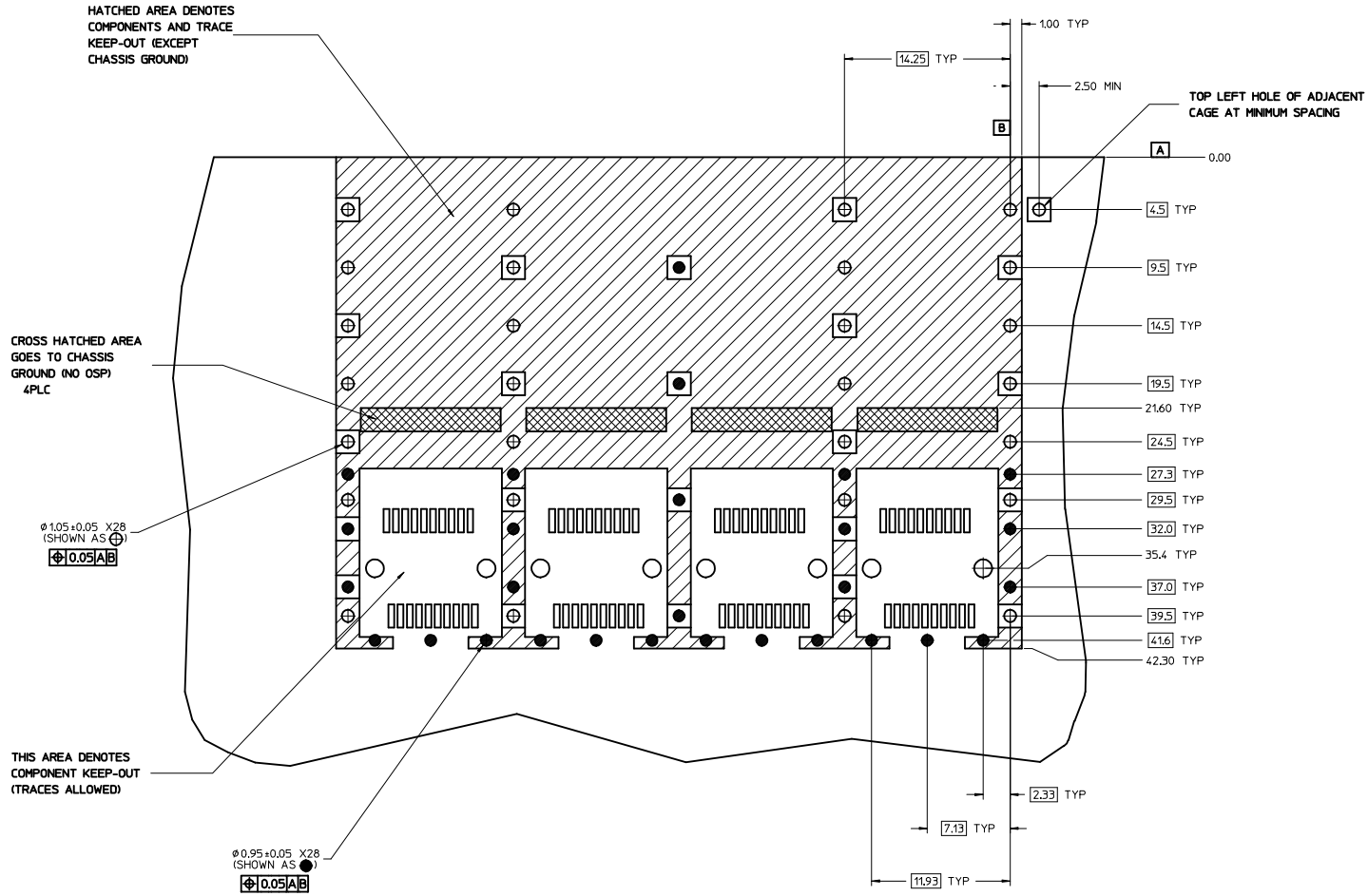


DETAIL 1  
SCALE 8:1

- 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. MINIMUM PCB THICKNESS FOR SINGLE SIDED USE 157mm [0.062"].

<b>SEE REVISION TABLE</b> EC NO: CPG2014-0691 DRAWN BY: TDRWRCHEM08 CHECKED BY: CHYDRTSA APPR: K.LLOYD DATE: 2013/09/06 DATE: 2013/09/09 DATE: 2013/10/09	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm	MM ONLY	5:1	METRIC	☉
	▽=0	INCH	UNLESS SPECIFIED			
	▽=0	ANGULAR ± 1°				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWN BY: RMIKLINSKI	DATE: 2011/06/20	TITLE: SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS	
			CHECKED BY: MMCKERVEY	DATE: 2011/08/26	<b>molex</b> MATERIAL NO. SEE SHEET 3 DOCUMENT NO. SD-11112-2420	
			APPROVED BY: K.LLOYD	DATE: 2012/08/14		

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING

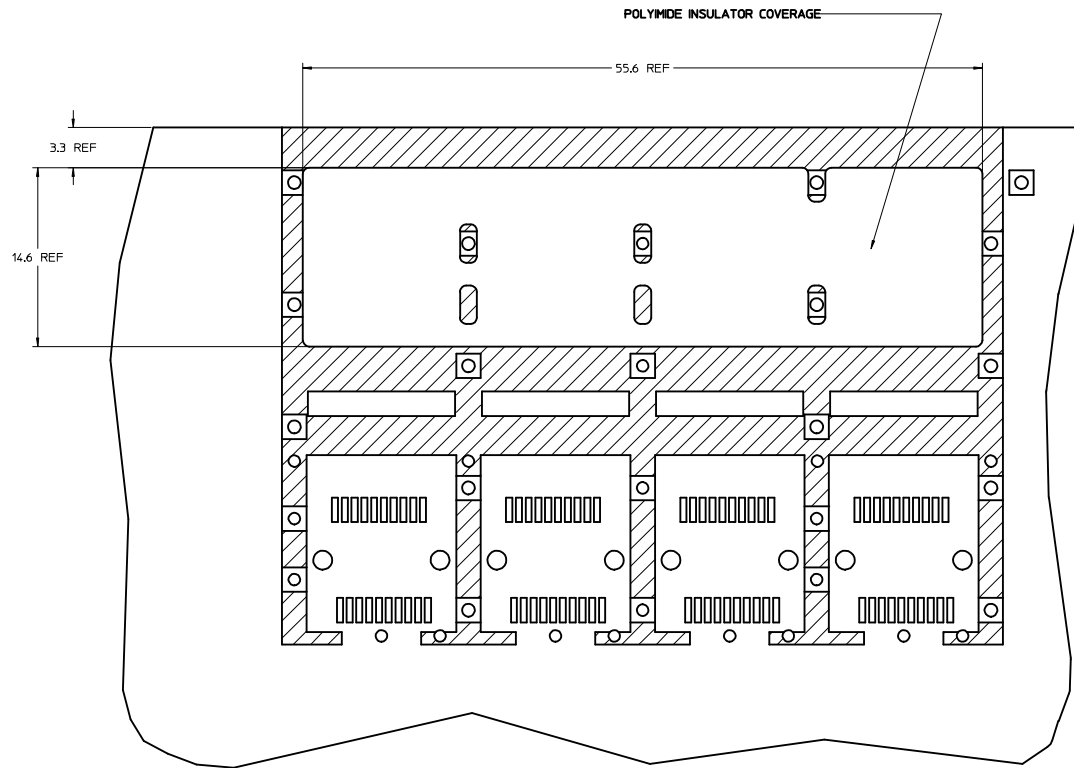


**NOTES:**

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. MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE 3.00mm [0.118"].

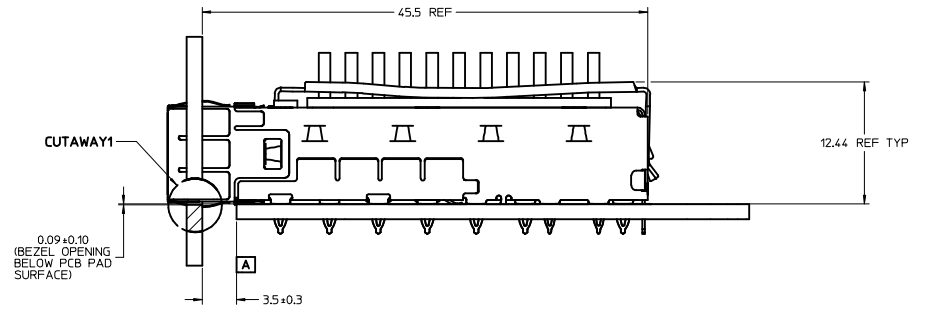
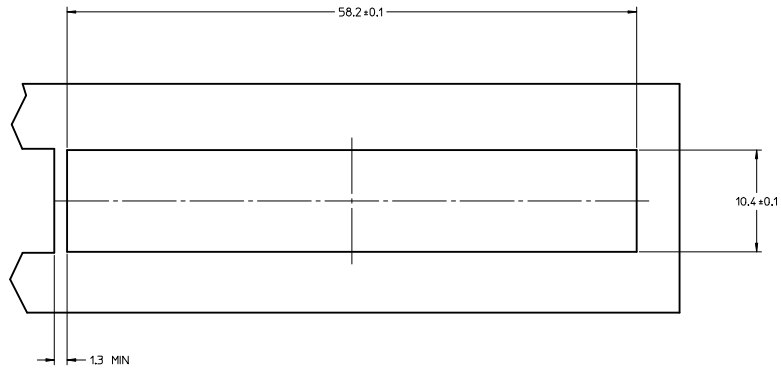
SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REV	DESCRIPTION	SYMBOL	TOLERANCE	mm	INCH	MM ONLY	INCH	5:1	METRIC	☉
1	DRWN:RCHEN08 2013/09/06	▽=0	4 PLACES	±0.15	±0.005	DATE	DATE			
2	CHKD:RTSA 2013/09/09	▽=0	3 PLACES	±0.15	±0.005	RMIKLINSKI 2011/06/20	2011/08/26			
3	APPR:KLLOYD 2013/10/09	▽=0	2 PLACES	±0.25	±0.010	DATE	DATE			
			1 PLACE	±0.25	±0.010	MMCKERVEY 2011/08/26				
			0 PLACE	±	±	APPROVED BY	DATE			
						KLLOYD 2012/08/14				
MATERIAL NO.						DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SEE SHEET 3		SD-11112-2420		
ANGULAR ± 1 °						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		5 OF 8		

POLYIMIDE INSULATOR COVERAGE AREA  
(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)

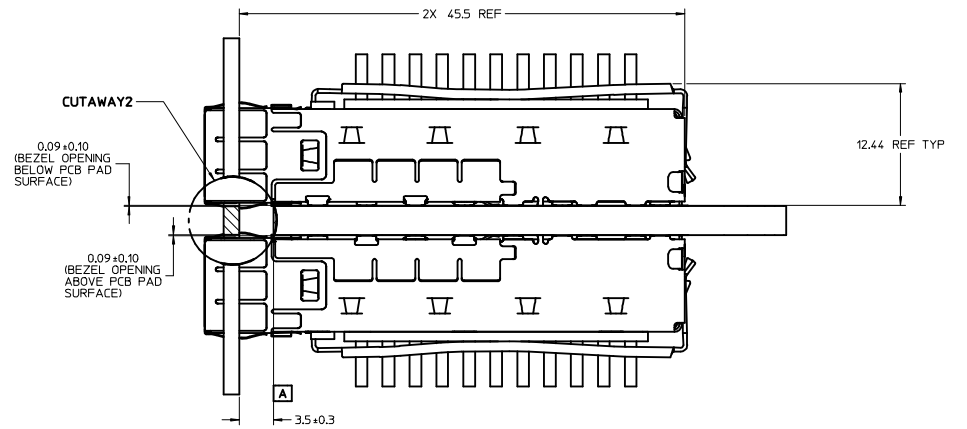
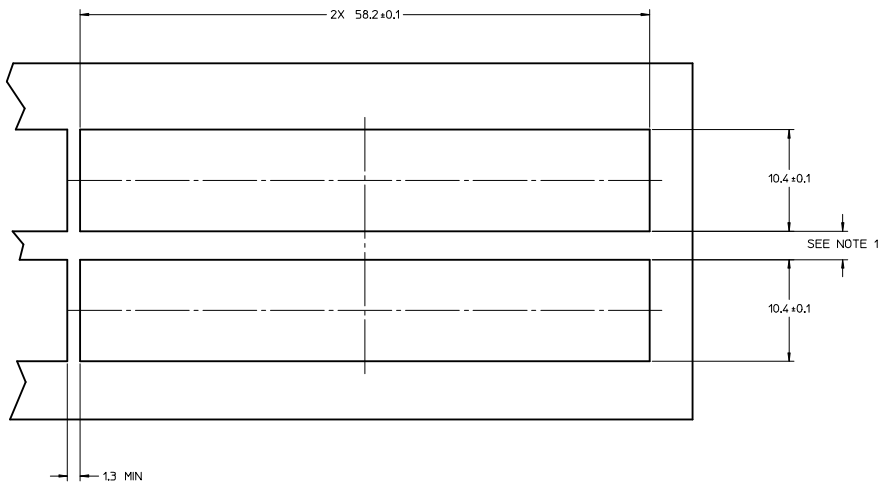


<b>SEE REVISION TABLE</b> EC NO: CPG2014-0691 DRAWN BY: 2013/09/06 CHYKORTSAI APPR: KLOYD 2013/10/09	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .015</td> <td>± .0006</td> </tr> <tr> <td>3 PLACES</td> <td>± .025</td> <td>± .0010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.15</td> <td>± .006</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± .015	± .0006	3 PLACES	± .025	± .0010	2 PLACES	± 0.15	± .006	1 PLACE	± 0.25	± .010	0 PLACE	±	±	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>5:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± .015	± .0006																					
	3 PLACES	± .025	± .0010																					
2 PLACES	± 0.15	± .006																						
1 PLACE	± 0.25	± .010																						
0 PLACE	±	±																						
DRAWN BY: RMIKLINSKI DATE: 2011/06/20 CHECKED BY: MMCKERVEY DATE: 2011/08/26 APPROVED BY: KLOYD DATE: 2012/08/14	MATERIAL NO. <b>SEE SHEET 3</b>		DOCUMENT NO. <b>SD-11112-2420</b>		SHEET NO. <b>6 OF 8</b>																			
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																								

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



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



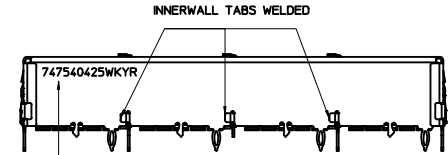
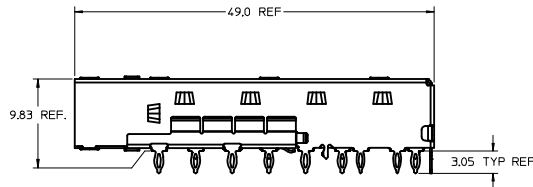
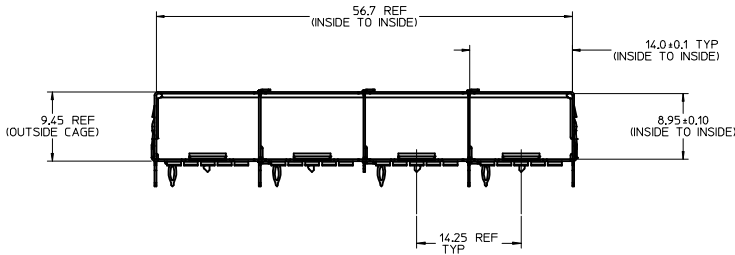
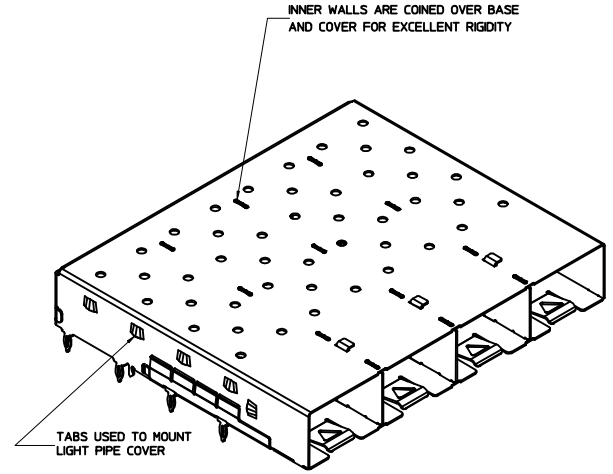
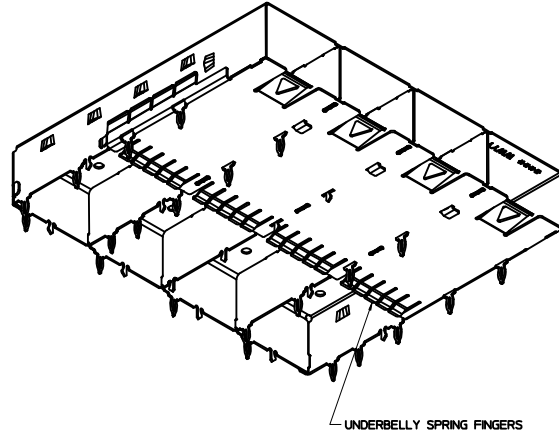
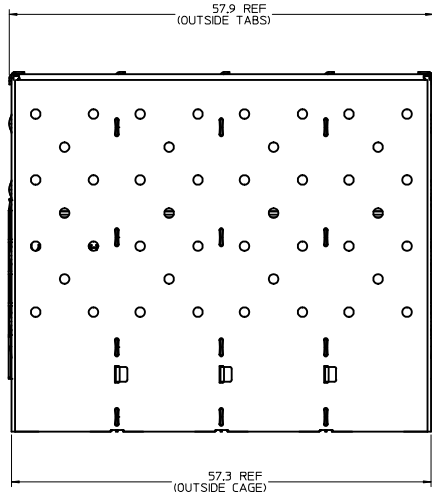
NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

<b>SEE REVISION TABLE</b> EEC NO: CPG2014-0691 DRAWN BY: TDRWNRCHEN08 CHECKED BY: CHYKORTSA APPROVED BY: APPRKLLOYD DATE: 2013/09/06 DATE: 2013/09/09 DATE: 2013/10/09	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm	MM ONLY	4:1	METRIC	☉
	▽=0	INCH				
	▽=0					
	ANGULAR ± 1 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: RMIKLINSKI CHECKED BY: MMCKERVEY APPROVED BY: KLOYD DATE: 2011/06/20 DATE: 2011/08/26 DATE: 2012/08/14	TITLE SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS		
			MATERIAL NO. SEE SHEET 3	DOCUMENT NO. SD-11112-2420	SHEET NO. 7 OF 8	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

DATE	REV	DESCRIPTION
2011/06/21	1	INITIAL RELEASE
2011/06/29	A	UPDATED THE CAGE TOP TO INCLUDE HOLES FOR LIGHTPIPES.
2012/03/20	B	REVISED NOTES, HANGED HEATSINK HEIGHT FROM 8.63 TO 6.5, TABULARIZED PCI, SAN, AND NETWORKING, ADDED HEATSINK HEIGHT WITH MODULE INSERTED [SHT1]. MOVED EXPLODED VIEW TO SHT2. CHANGED OTHER SHEET NUMBER ACCORDINGLY. REMOVED NOTE 6 AND MOVED TO SHEET 2.
2012/07/31	C	HIDE HEATSINK CLIP FROM TOP VIEW, CHANGED DIM 49.0 TO 49.3 AND ADDED 'SEE TABLE ON SHEET 2' TO ANNOTATION ON VIEW BOTTOM 3, ADDED MODEL NOTATION IN TOP CORNER ON SHEET 1, ADDED KAPTON TAPE MODEL TO EXPLODED VIEW ON SHEET 2, EXPANDED P/N TABLE ON SHEET 2 TO INCLUDE HEAT SINK DIMS AND KAPTON TAPE OPTIONS, REMOVED DIM 'B' FROM SHEET 2, REWORDED ANNOTATIONS FOR CORRECT ORIENTATION ON SHEET 5.
2012/08/31	D	REMOVED HEATSINKS AND CLIPS FROM ALL VIEWS ON SHEET 1, SEPERATED HEATSINKS TO SEPERATE VIEWS ON SHEET 2 AND REMOVED P/N FROM TABLES, ADDED NEW SHEET 3 WITH VIEWS AND P/N TABLES FOR NO HEATSINK, AND PINFIELD OR LATERAL FIN HEATSINKS, MOVED DIM '0.23 TYP' ON SHEET 6. ADDED ISO VIEWS AND PART NUMBER TABLES FOR WIDE GAP HEATSINKS TO SHEET 2 AND SHEET 3. ADDED TOP VIEWS OF SINGLE AND BELLY TO BELLY PCB TO SHEET SIX TO SHOW POLYIMIDE COVERAGE AND DIMENSIONS.
2013/02/20	E	<ol style="list-style-type: none"> <li>1. CHANGED BASE CAGE VIEWS ON SHEET 1 FROM 111112-0432 TO 747540420. ADDED TYP TO DIMENSION 3.05 REF ON SIDE VIEW. MOVED DIMENSIONS '10.85 REF' TO F14, '14.0 ±0.1' TO D17, '56.75 REF' TO F17, '58.65 REF' TO G17. ADDED DIMENSION '9.98 REF' @E7. CHANGED DIMENSION 49.03 TO 49.0 @ J14. ADDED BACK VIEW, @E3. REMOVED BELLY ISO VIEW AND ROTATED TOP ISO VIEW &amp; MOVED TO J7. MOVED PCB MIN THICKNESS FROM NOTE 2 TO RESPECTIVE PCB LAYOUT SHEETS. REMOVED INSERTION FORCE FROM NOTE 2. ADDED APPLICATION NOTE @H10. UPDATED P/N DATE CODE PRINTING CALLOUT ON SIDE VIEW. UPDATED 3D MODEL P/N @M20. ADDED EMI SPRING FINGERS NOTE @H8. (SHEET 1)</li> <li>2. MOVED POLYIMIDE BELLY ISO VIEW TO E9 AND ADDED REAR LEG &amp; UNDER BELLY SPRING FINGER IDENTIFIERS. ADDED UNDERBELLY GASKET ISO VIEW @E3. ADDED TOP VIEW, @ J17. REMOVED CAGES FROM HEATSINK VIEWS. ADDED REAR LEG OPTIONS, @B16. ADDED TITLE FOR TABLES THAT READS OVERALL HEATSINK HEIGHT. ADDED POLYIMIDE INSULATOR &amp; # OF REAR LEGS PER PORT COLUMNS TO TABLES. (SHEET 2)</li> <li>3. ADDED PN'S 747500420, -0422, -0423 &amp; 1111110420 AND UPDATED TABLES, ADDING ISO VIEWS @F18 &amp; F13. ADDED P/N NOTE FOR EACH CAGE SHOWN. (SHEET 3)</li> <li>4. ADDED NOTE 5, (SHEET 4 &amp; 5). REMOVED UNNECESSARY CAGE TO PCB CONTACT PADS FROM BELLY TO BELLY LAYOUT. ADDED TYP TO ALL DIMENSIONS (SHEET 4 &amp; 5). ADDED DIAMETER DIMENSION 0.95±0.05 X4 WITH NOTES 'SHOWN AS...' (SHEET 4). FIXED BOX TO NOT INCLUDE TYP. ADDED HOLES @E17, @E15, @E13, &amp; E11 (SHEET 4). REMOVED PAD @F13 (SHEET 5).</li> <li>5. REMOVED BELLY TO BELLY VIEW AND CENTERED &amp; INCREASED SCALE OF SINGLE SIDED VIEW. (SHEET 6)</li> <li>6. REMOVED 'SEE NOTE 1' FROM DIMENSION '10.4 ±0.1', @E12 &amp; D12. ADDED 'SEE NOTE 1' BEZEL OPENING PITCH, @E12. ADDED CENTER LINES TO BEZEL OPENINGS. REMOVED CUTAWAY 7 &amp; 8 FROM SIDE VIEWS. RENAMED CUTAWAY2 TO 1 AND 4 TO 2. REMOVED 'SIZE, AND' FROM NOTE 1. ADDED DIMENSION 12.44 REF TYP TO BOTH SIDE VIEWS. REMOVED DIMENSION 9.98 TYP @E4 &amp; J4. (SHEET 7)</li> </ol>
2013/09/06	F	ADDED PN'S 747540426. (SHEET 3)

<b>SEE REVISION TABLE</b> EC NO: CPG2014-0691 DRAWN BY: TDRWNCHE08 CHECKED BY: CHYKRTSA APPR: KLLLOYD DATE: 2013/09/06 DATE: 2013/09/09 DATE: 2013/10/09	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>3 PLACES</td> <td>±.008</td> <td>±.0008</td> </tr> <tr> <td>2 PLACES</td> <td>±0.15</td> <td>±.006</td> </tr> <tr> <td>1 PLACE</td> <td>±0.25</td> <td>±.010</td> </tr> <tr> <td>0 PLACE</td> <td>±</td> <td>±</td> </tr> </table>			mm	INCH	4 PLACES	±.005	±.0005	3 PLACES	±.008	±.0008	2 PLACES	±0.15	±.006	1 PLACE	±0.25	±.010	0 PLACE	±	±	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION 
			mm	INCH																					
		4 PLACES	±.005	±.0005																					
		3 PLACES	±.008	±.0008																					
2 PLACES	±0.15	±.006																							
1 PLACE	±0.25	±.010																							
0 PLACE	±	±																							
DRAWN BY: RM IKLINSKI DATE: 2011/06/20 CHECKED BY: MMCKERVEY DATE: 2011/08/26 APPROVED BY: KLLLOYD DATE: 2012/08/14		MATERIAL NO. <b>SEE SHEET 3</b>		DOCUMENT NO. <b>SD-11112-2420</b>		SHEET NO. 8 OF 8																			
ANGULAR ± 1 ° 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																									



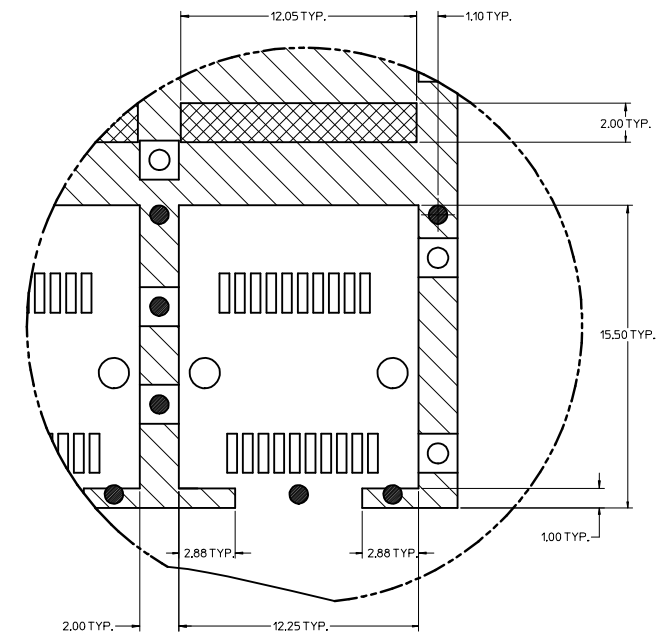
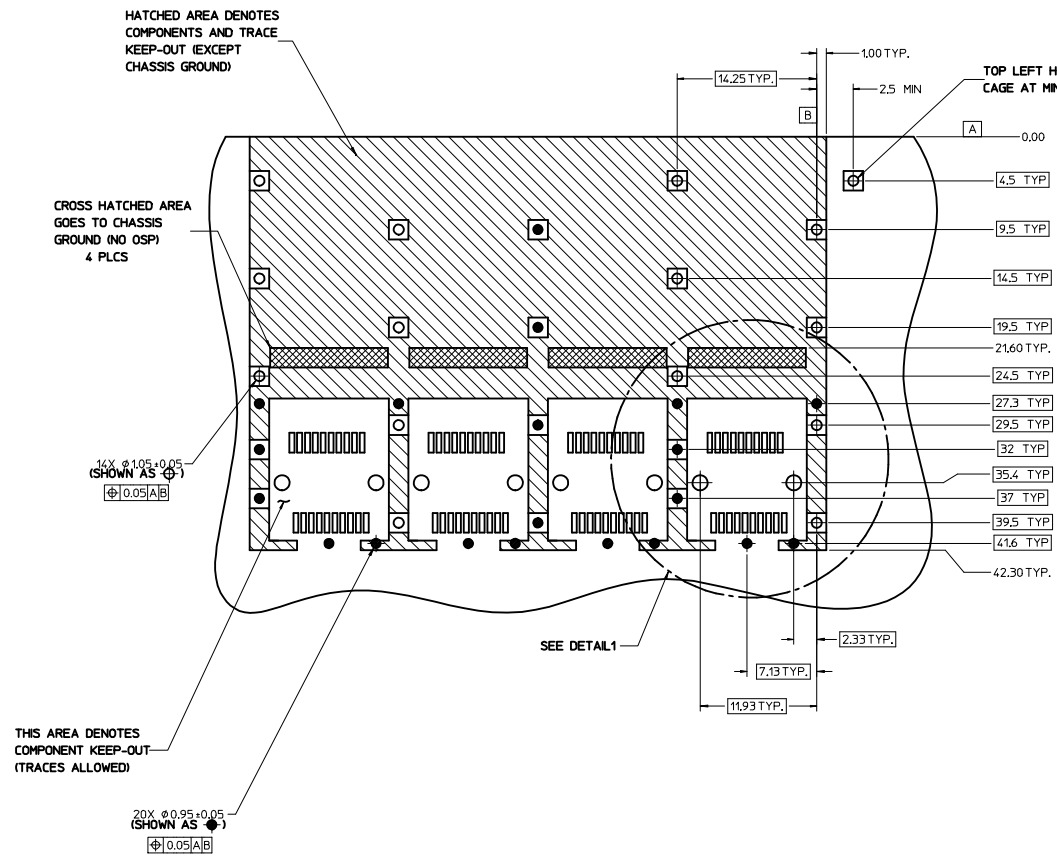


PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED IN APPROXIMATE AREA SHOWN:  
 DATE CODE:  
 WK = WEEK OF THE YEAR 01 THROUGH 52 (OR 53)  
 YR = LAST TWO DIGITS OF THE YEAR (EXAMPLE 2013 = 13)

- NOTES:**
1. MATERIAL:  
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED
  2. OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
  3. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS
  4. NO ROHS EXEMPTIONS

INITIAL RELEASED EC NO: CPG2014-0478 DRAWN BY: SYANG16 CHKD/RTSAI APPR:KLLOYD DATE: 2013/08/19 2013/09/04 2013/09/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	MM ONLY	3:1	METRIC	
	▽=0	3 PLACES ± --- ± ---				
	▽=0	2 PLACES ± 0.15 ± ---				
		1 PLACE ± 0.25 ± ---				
		0 PLACE ± ±				
		ANGULAR ± 1 °				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			MATERIAL NO.	DOCUMENT NO.		
			747540425	SD-74754-0425		
					SHEET NO.	
					1 OF 4	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

# PCB LAYOUT FOR SINGLE SIDE MOUNT



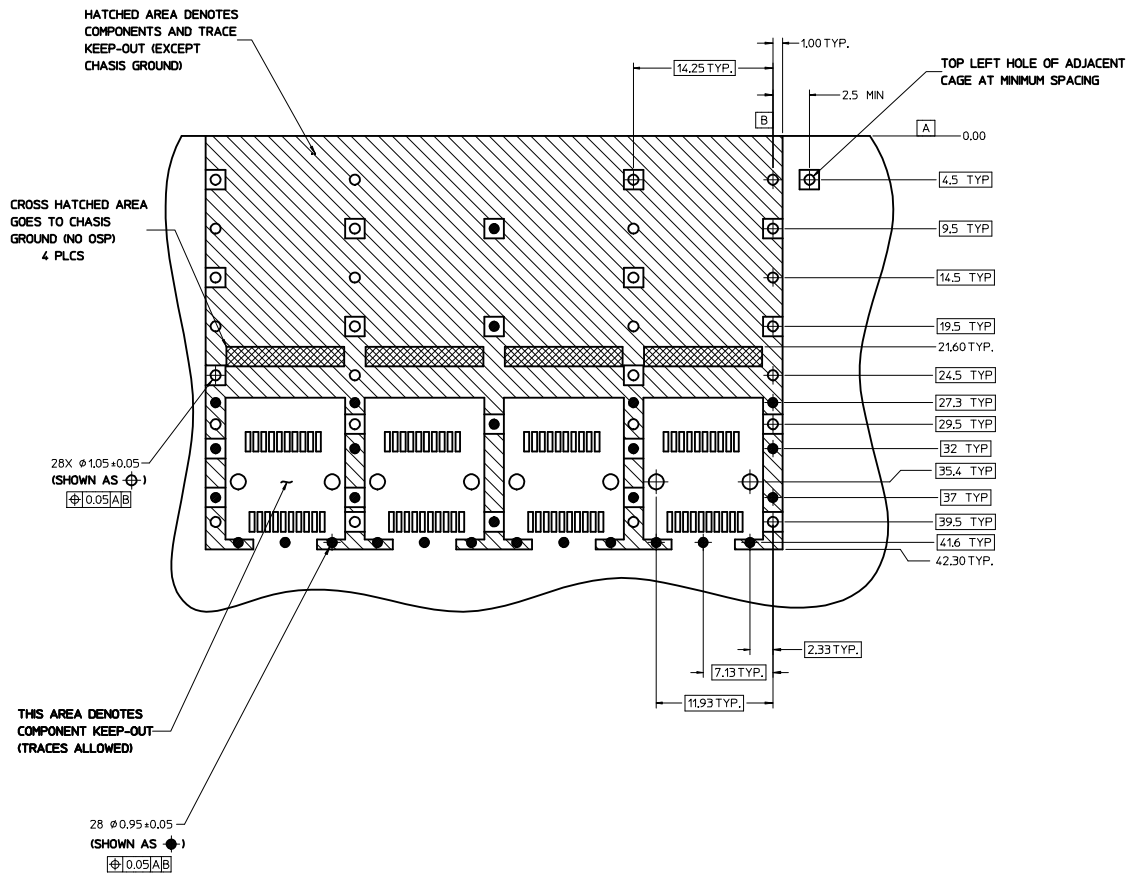
DETAIL1  
SCALE 8:1  
HOST CONNECTOR DETAIL

NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. 157 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE  
INSERTION FORCE INTO PCB <100 LBS
3. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
4. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
5. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm.

INITIAL RELEASED EC NO: CPG2014-0478 2013/08/19 DRAWNSYANG16 2013/09/04 CHK:RTSAI 2013/09/10 APPR:KLOYD	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm	MM ONLY	1:1	METRIC	☉
	▽=0	INCH				
	▽=0					
		4 PLACES ± --- + ---	DRAWN BY	DATE	TITLE	
		3 PLACES ± --- + ---	SYANG16	2013/08/19	SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITHOUT SPRING FINGERS	
		2 PLACES ± 0.15 + ---	CHECKED BY	DATE		
		1 PLACE ± 0.25 + ---	RTSAI	2013/09/04		
		0 PLACE ± +	APPROVED BY	DATE		
			KLOYD	2013/09/10		
		ANGULAR ± 1 °	MATERIAL NO.	DOCUMENT NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	747540425	SD-74754-0425		
			SIZE			
			D			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
						SHEET NO. 2 OF 4

PCB LAYOUT FOR BELLY TO BELLY MOUNTING  
NOT FOR 747540422



NOTE:  
SEE SHEET 2 FOR  
HOST CONNECTOR DETAIL

NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. 3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.  
INSERTION FORCE INTO PCB <100 LBS
3. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
4. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
5. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

<b>INITIAL RELEASED</b> EC NO: CPG2014-0478 DRAWN BY: SYANG16 CHECKED BY: CHUKORTSAI APPROVED BY: APPR:KLLOYD DATE: 2013/08/19 DATE: 2013/09/04 DATE: 2013/09/10	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	mm INCH	DRAWN BY SYANG16	DATE 2013/08/19	CHECKED BY RTSAI	DATE 2013/09/04	APPROVED BY KLLOYD
MATERIAL NO. <b>747540425</b>	DOCUMENT NO. SD-74754-0425	ANGULAR ± 1 ° 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		

DATE (YEAR/MONTH/DAY)	REVISION	COMMENTS
2013/08/19	A	INITIAL RELEASED.

<b>INITIAL RELEASED</b> IEC NO: CPG2014-0478 A DRAWN BY: SYANG16 CHYKORTSAI APPR: KLLOYD	2013/08/19 2013/09/04 2013/09/10	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			▽=0 ▽=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	MM ONLY 1:1 METRIC	DRAWN BY: SYANG16 CHECKED BY: RTSAL APPROVED BY: KLLOYD	DATE: 2013/08/19 DATE: 2013/09/04 DATE: 2013/09/10	TITLE: SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITHOUT SPRING FINGERS <b>molex</b>