



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

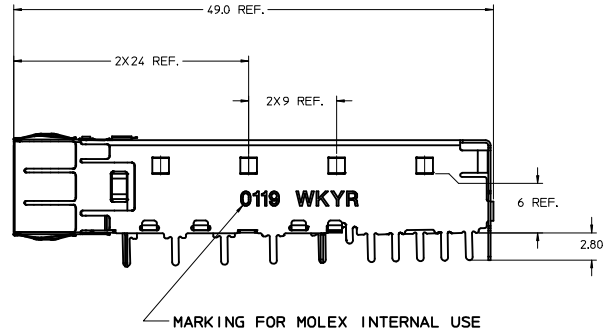
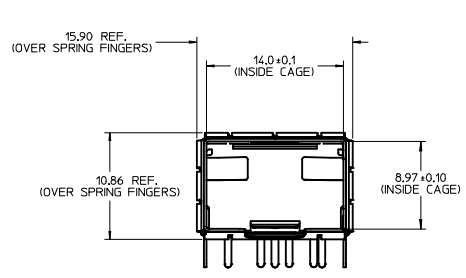
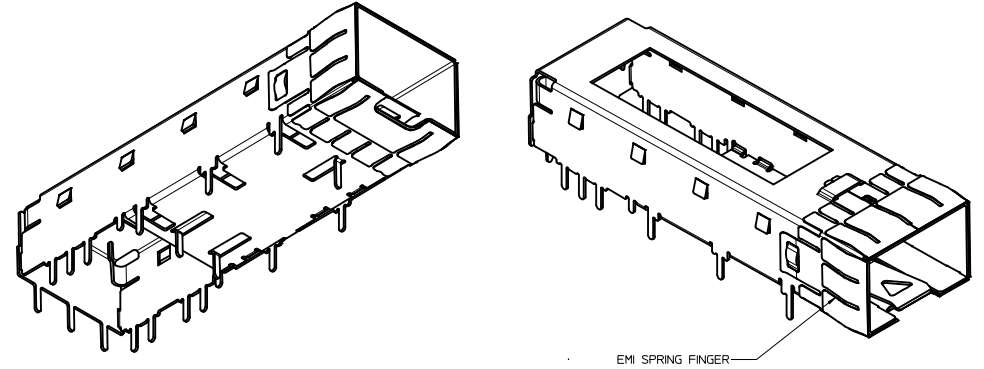
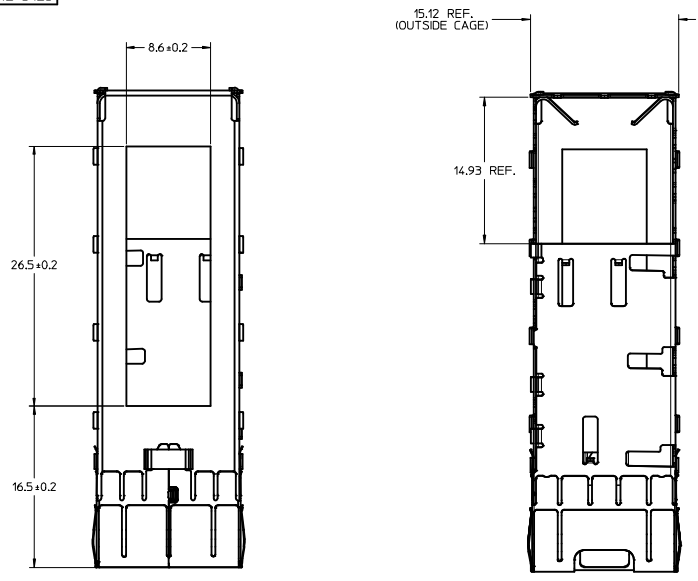
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MM 3D MODEL: TM-111112-3123

HEAT SINK AND CLIP NOT SHOWN FOR CLARITY



MARKING FOR MOLEX INTERNAL USE

NOTES:

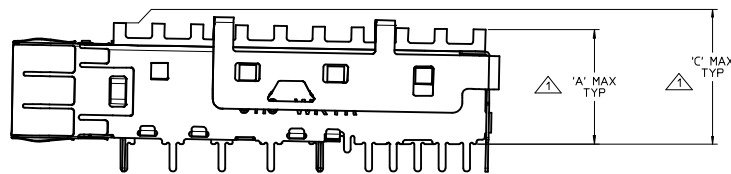
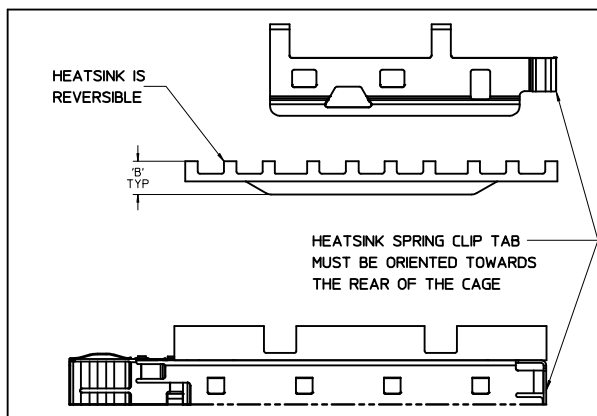
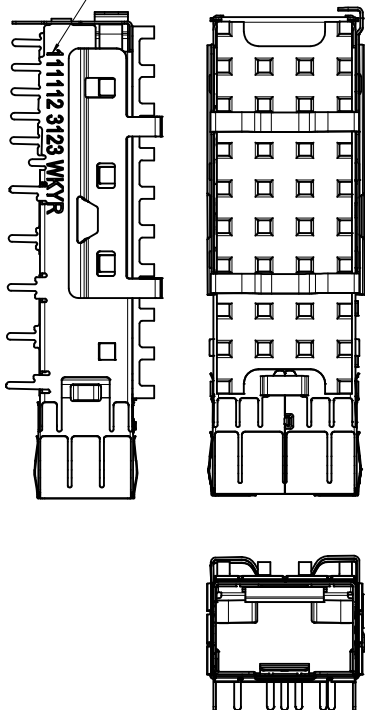
- MATERIAL:**  
CAGE: 0.25 mm THICK COPPER ALLOY, NICKEL PLATED.  
SPRING FINGERS: 0.1mm THICK COPPER ALLOY, NICKEL PLATED.  
HEATSINK: ALUMINIUM, NICKEL PLATED.  
HEATSINK SPRING CLIP: STAINLESS STEEL.
- PRESS FIT LEGS 2.8mm LONG:**  
1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
- OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.**
- 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.
- NO RoHS EXEMPTIONS.**
- CUSTOM HEATSINKS AVAILABLE UPON REQUEST.**
- CAGE ASSEMBLY, HEATSINK, AND HEATSINK SPRING CLIP SHIPPED ASSEMBLED.**
- THE MOLEX CAGE REQUIRES USING THE MOLEX HEATSINK SPRING CLIP.**

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
EC NO:	CPG2016-1931	▽=0	▽=0	4 PLACES	mm	MM ONLY	4:1	METRIC	THIRD ANGLE PROJECTION	
DRAWN BY:	PGSHETTY 2015/08/07	▽=0	▽=0	3 PLACES	INCH					
CHECKED BY:	CHYKEMANG07 2015/11/05	▽=0		2 PLACES	±0.15					
APPROVED BY:	RCHEN08 2015/11/09			1 PLACE	±0.25					
REV	DESCRIPTION			0 PLACE						
				ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		4111123123		SD-111112-3123		1 OF 5
<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>										

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

SEE TABLE BELOW FOR DATE CODE INFORMATION.

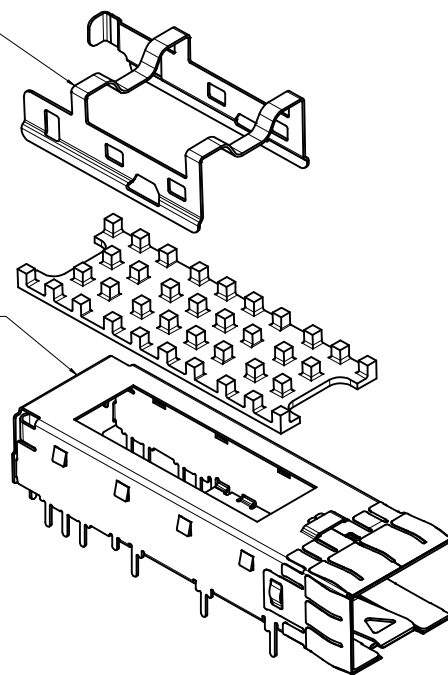
WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR)
YR	15, 16, 17 ETC.. (EXAMPLE: YEAR 2015= 15)



EXPLODED VIEW

HEATSINK SPRING CLIP  
FG NUMBER  
11112-1009  
(REFERENCE)

SFP+ CAGE ASSEMBLY  
WITH FRONT SPRING FINGERS

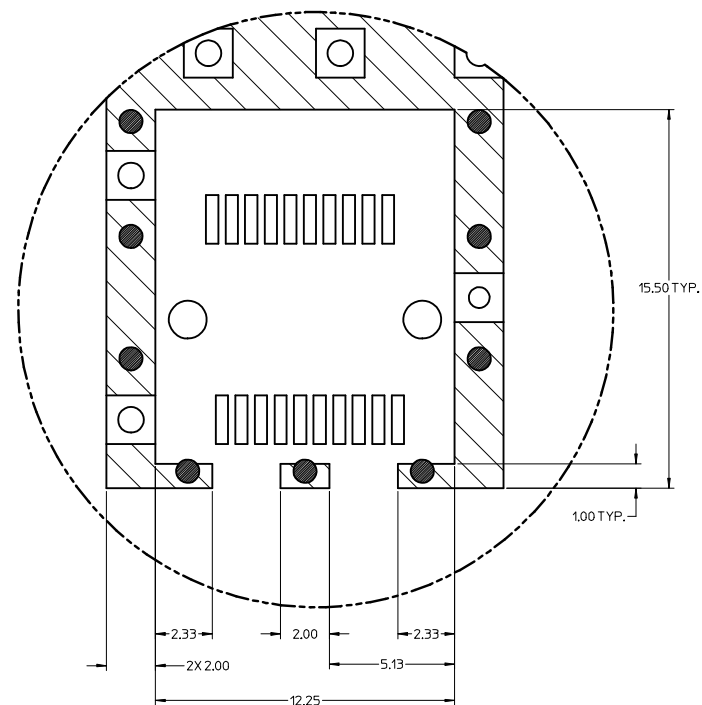
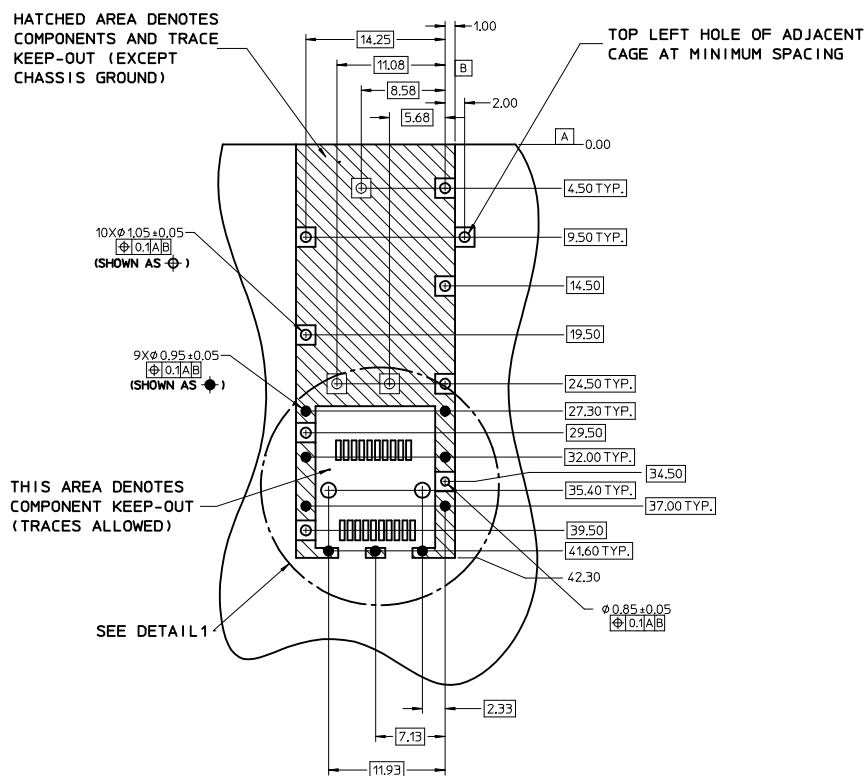


KIT MAT'L NUMBER	APPLICATION	CAGE ASSY	ASSEMBLED DIM 'A'	HEATSINK DIM 'B' (REF)	ASSEMBLED DIM 'C'	HEATSINK SPRING CLIP	FG HEATSINK MAT'L P/N	POLYIMIDE GASKET ATTACHED
11112-3123	PCI	111120119	12.8	3.6	13.5	111121009	111122043	NO

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

ENTER DESCRIPTION IEC NO: CPG2016-1931 DRAWN BY: PGSHETTY CHECKED BY: CHYKEMANG07 APPROVED BY: RCHEN08	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DATE	DATE	DATE	DATE	
		4 PLACES	± 0.15	± 0.005	± 0.005	PGSHETTY	2015/08/07	TITLE <b>SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS</b> <b>molex</b> MATERIAL NO: 111123123 DOCUMENT NO: SD-111112-3123 SHEET NO: 2 OF 5
		3 PLACES	± 0.25	± 0.005	± 0.005	CHYKEMANG07	2015/11/05	
		2 PLACES	± 0.25	± 0.005	± 0.005	APPROVED BY: RCHEN08	2015/11/09	
		1 PLACE	± 0.25	± 0.005	± 0.005			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1°		SIZE D				

# PCB LAYOUT FOR SINGLE SIDE MOUNT



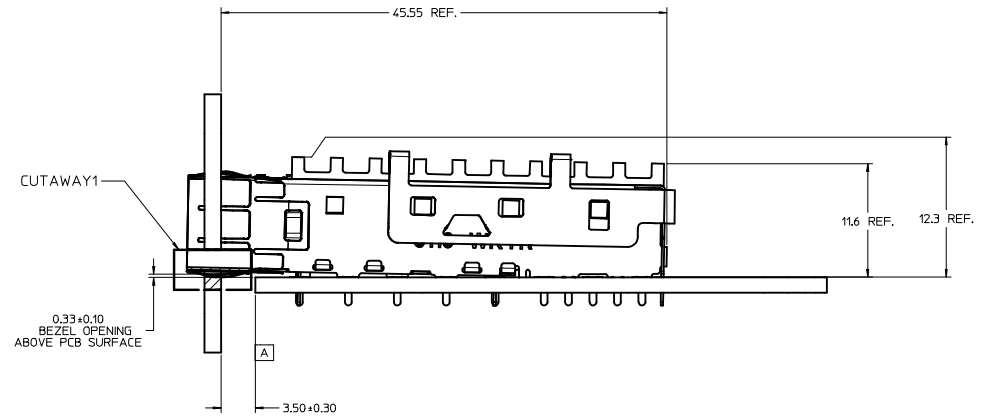
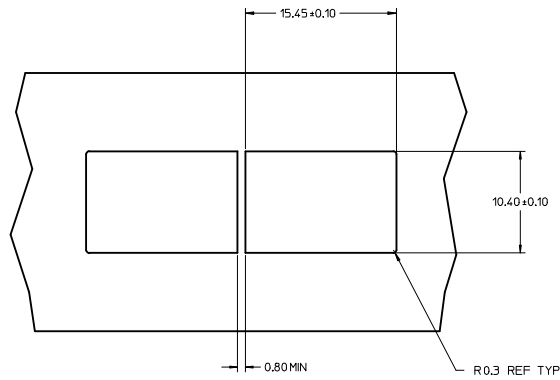
DETAIL 1  
SCALE 10:1  
HOST CONNECTOR DETAIL

**NOTES:**

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. 1.57mm MINIMUM PCB THICKNESS

<b>SEE REVISION TABLE</b> IEC NO: CPG2016-1931 DRAWN: PGSHETTY 2015/08/07 CHECKED BY: CHYKEMANG07 2015/11/05 APPROVED BY: APPR:CHEN08 2015/11/09	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	4:1	METRIC	
	▽=0	4 PLACES ± ---	DRAWN BY: PGSHETTY	DATE: 2015/08/07	TITLE: SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS	
	▽=0	3 PLACES ± ---	CHECKED BY: EWANG07	DATE: 2015/11/05		
	2 PLACES ± 0.15	1 PLACE ± 0.25	0 PLACE ± ---	APPROVED BY: RCHEN08	DATE: 2015/11/09	
	ANGULAR ± 1 °		MATERIAL NO: 411123123	DOCUMENT NO: SD-111112-3123	SHEET NO: 3 OF 5	
	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)



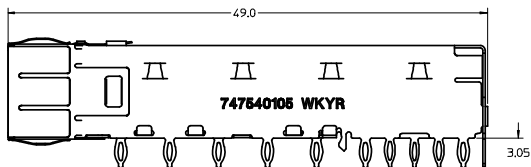
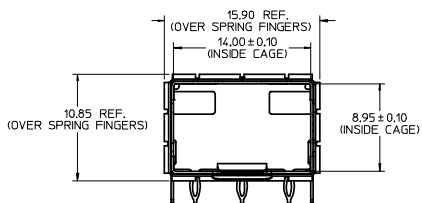
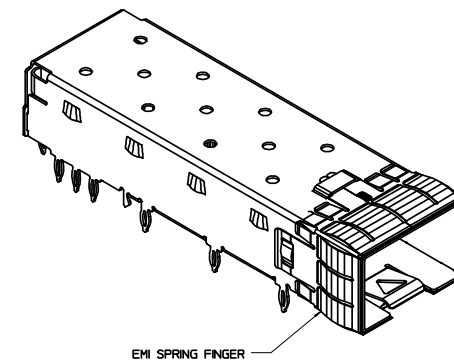
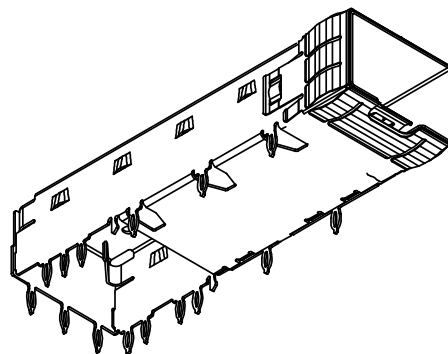
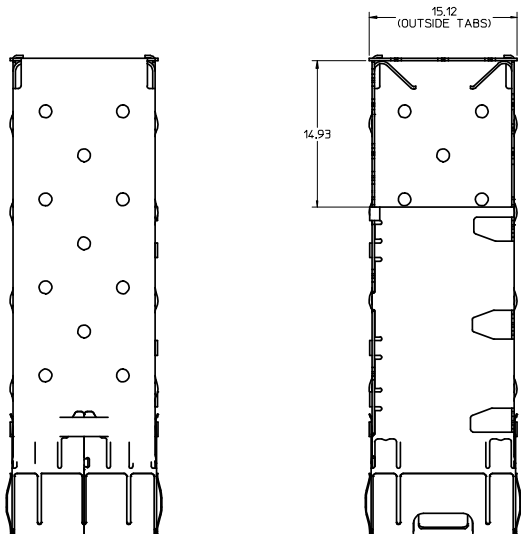
<b>SEE REVISION TABLE</b> IEC NO: CPG2016-1931 DRAWN BY: PGSHETTY 2015/08/07 CHECKED BY: CHYKEMANG07 2015/11/05 APPROVED BY: RCHEN08 2015/11/09	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	4:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE			TITLE
	▽=0	3 PLACES ± --- ± ---	PGSHETTY 2015/08/07			SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS
	2 PLACES ± 0.15 ± ---	CHECKED BY DATE				
	1 PLACE ± 0.25 ± ---	EWANG07 2015/11/05				
	0 PLACE ± --- ± ---	APPROVED BY DATE				
		RCHEN08 2015/11/09				
		ANGULAR ± 1 °	MATERIAL NO.	DOCUMENT NO.		SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	4111123123	SD-111112-3123		4 OF 5
			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

DATE	REVISION	DESCRIPTION
2015/11/05	A	INITIAL RELEASE

<b>SEE REVISION TABLE</b> IEC NO: CPG2016-1931 DRAWN BY: PGSHETTY 2015/08/07 CHECKED BY: CHYKHEANG07 2015/11/05 APPR: RCHEN08 2015/11/09	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES ± 0.15 mm ± 0.005 INCH	3 PLACES ± 0.25 mm ± 0.010 INCH	2 PLACES ± 0.50 mm ± 0.020 INCH	1 PLACE ± 1.00 mm ± 0.040 INCH	0 PLACE ± 1.50 mm ± 0.060 INCH	DRAWN BY: PGSHETTY 2015/08/07 CHECKED BY: CHYKHEANG07 2015/11/05 APPROVED BY: RCHEN08 2015/11/09	DATE: 2015/08/07 DATE: 2015/11/05 DATE: 2015/11/09	TITLE <b>SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS</b>
		ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. <b>1111123123</b>	DOCUMENT NO. <b>SD-111112-3123</b>	SHEET NO. <b>5 OF 5</b>	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX 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

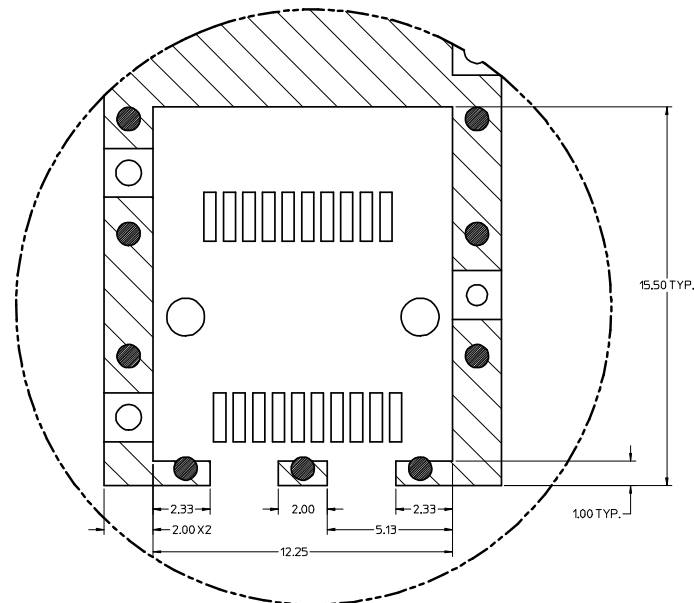
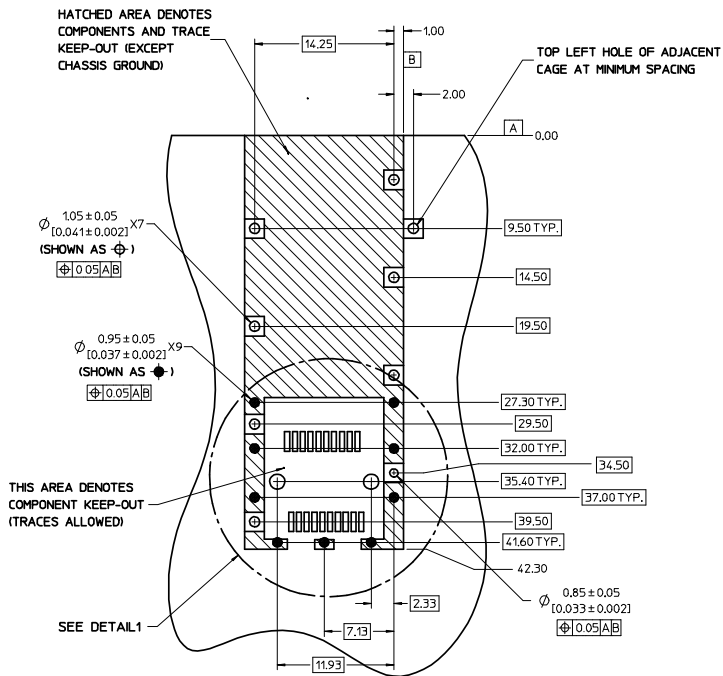


**NOTES:**

1. MATERIAL:  
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm  
SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm
2. PRESS FIT LEGS 3.05 LONG -  
1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE
3. OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
4. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE BACKWARDS COMPATIBLE WITH SFP TRANSCEIVERS
5. THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC)

INITIAL RELEASE EC NO. USY2008-0359 DRAWN: JRESENDE 2008/03/14 CHKD: JRESENDEZ 2008/03/14 APPR: JRESENDE 2008/03/14 REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	4 PLACES	± 0.15	mm	INCH	DRAWN BY JRESENDE	DATE 2008/03/14	TITLE SFP+ 1X1 CAGE ASSEMBLY PRESS FIT WITH EMI SPRING FINGERS	
	3 PLACES	± 0.15	mm	INCH	CHECKED BY JRESENDE	DATE 2008/03/14	MOLEX INCORPORATED	
	2 PLACES	± 0.15	mm	INCH	APPROVED BY KJANOTA	DATE 2008/03/14	MATERIAL NO. 747540105	DOCUMENT NO. SD-74754-0105
1 PLACE	± 0.25	mm	INCH	ANGULAR ± 1°		SHEET NO. 1 OF 3		
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 FOR SINGLE SIDE MOUNT



DETAIL1  
SCALE 10:1  
HOST CONNECTOR DETAIL

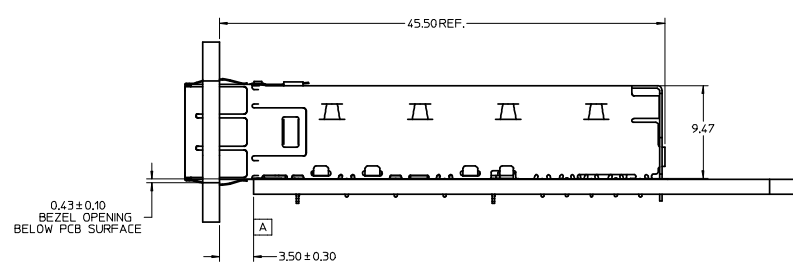
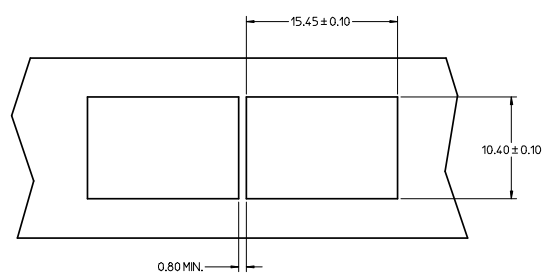
NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.

INITIAL RELEASE EC NO: USY2008-0359 DRAWN: RESENDE 2008/03/24 CHECKED: RESENDEZ 2008/03/24 APPR: RESENDE 2008/03/26	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± mm ± INCH 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	DRAWN BY JRESENDE	DATE 2008/03/14	TITLE SFP+ 1X1 CAGE ASSEMBLY PRESS FIT WITH EMI SPRING FINGERS	MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 747540105	APPROVED BY KJANOTA	DATE 2008/03/14	DOCUMENT NO. SD-74754-0105	SHEET NO. 2 OF 3		
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)



<b>INITIAL RELEASE</b> EC NO: USY2008-0359 DRWN: JRESENDE 2008/03/24 CHKD: JRESENDEZ 2008/03/24 APPR: JRESENDE 2008/03/26	QUALITY SYMBOLS ▽=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>± 0.15</td> <td>± 0.005</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.38</td> <td>± 0.015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.51</td> <td>± 0.020</td> </tr> </tbody> </table> ANGULAR ± 1°		mm	INCH	4 PLACES	± 0.15	± 0.005	3 PLACES	± 0.25	± 0.010	2 PLACES	± 0.38	± 0.015	1 PLACE	± 0.51	± 0.020	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	± 0.15	± 0.005																		
	3 PLACES	± 0.25	± 0.010																		
2 PLACES	± 0.38	± 0.015																			
1 PLACE	± 0.51	± 0.020																			
DRAWN BY JRESENDE	DATE 2008/03/14	TITLE SFP+ 1X1 CAGE ASSEMBLY PRESS FIT WITH EMI SPRING FINGERS		MOLEX INCORPORATED		SHEET NO. 3 OF 3															
CHECKED BY JRESENDE	DATE 2008/03/14	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 747540105	DOCUMENT NO. SD-74754-0105																
APPROVED BY JRESENDE	DATE 2008/03/14	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			