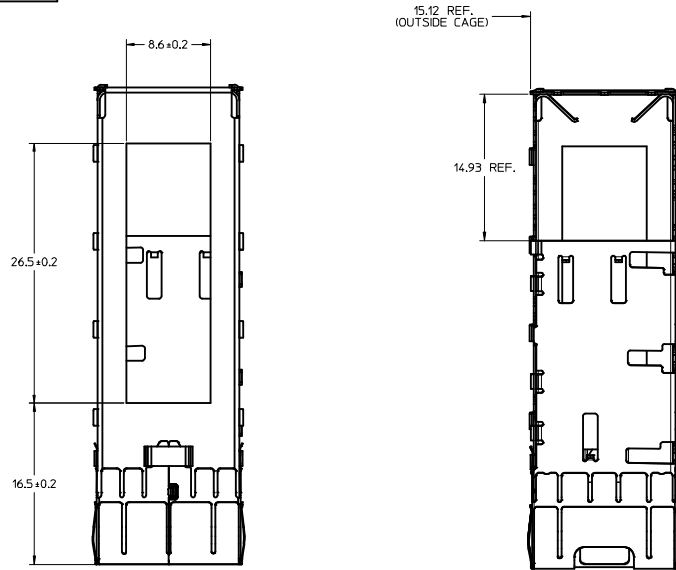
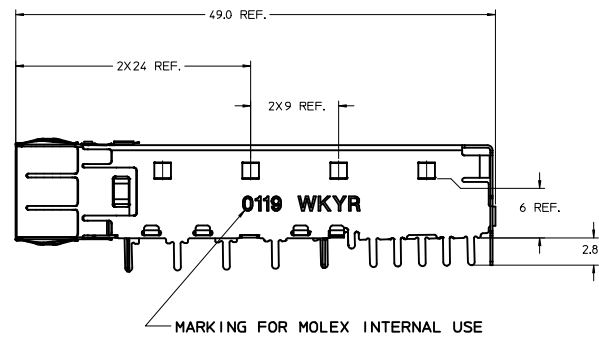
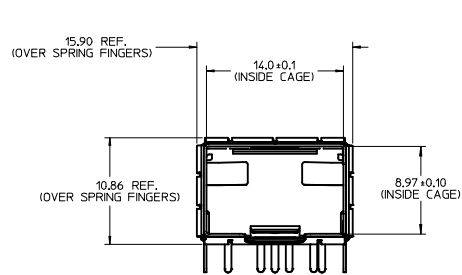
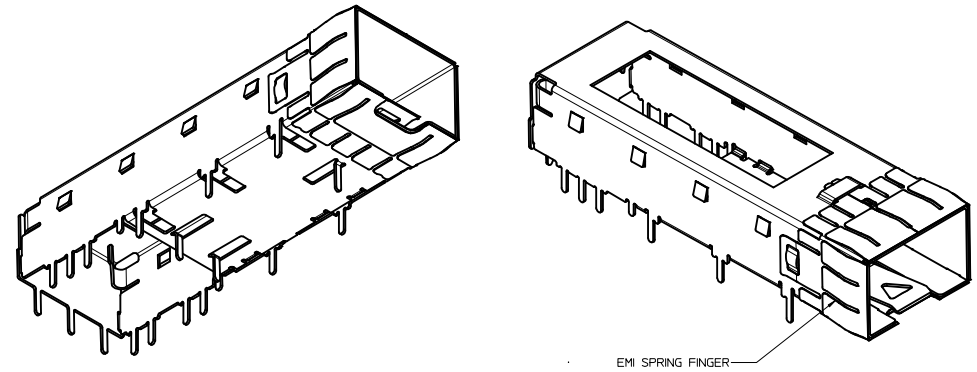


MM 3D MODEL: TM-111112-3123



HEAT SINK AND CLIP NOT SHOWN FOR CLARITY



NOTES:

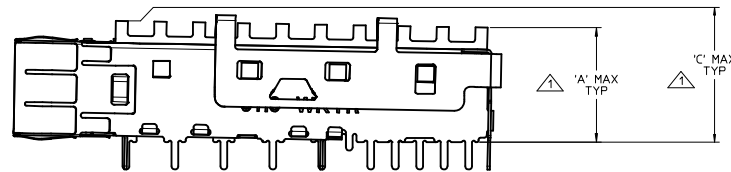
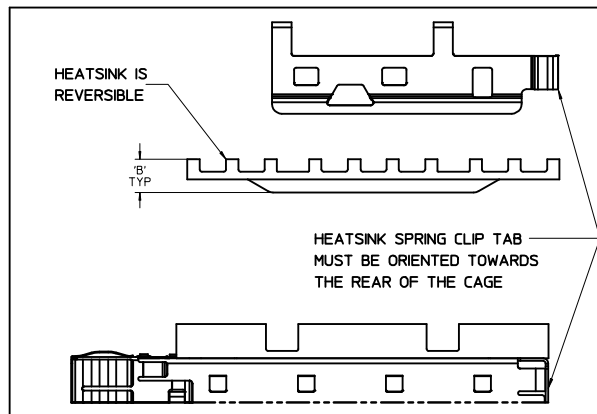
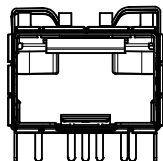
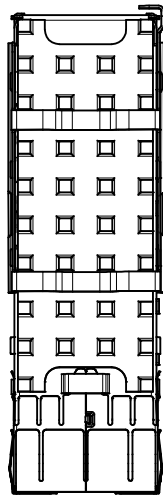
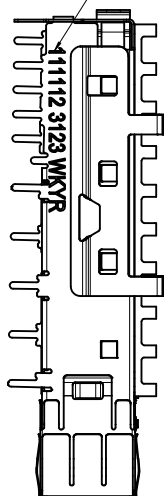
- MATERIAL:
CAGE: 0.25 mm THICK COPPER ALLOY, NICKEL PLATED.
SPRING FINGERS: 0.1mm THICK COPPER ALLOY, NICKEL PLATED.
HEATSINK: ALUMINIUM, NICKEL PLATED.
HEATSINK SPRING CLIP: STAINLESS STEEL.
- PRESS FIT LEGS 2.8mm LONG:
1.57mm MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
- OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANCEIVERS.
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 EC NO: CP9220-06-9331 DRAWN BY PGSHETTY 2015/08/07 CHECKED BY EWANG07 2015/11/05 APPROVED BY RCHEN08 2015/11/09 A	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION													
	▽=0	<table><tr><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES ±</td><td>±</td></tr><tr><td>3 PLACES ±</td><td>±</td></tr><tr><td>2 PLACES ±</td><td>±</td></tr><tr><td>1 PLACE ±</td><td>±</td></tr><tr><td>0 PLACE ±</td><td>±</td></tr></table>		mm	INCH	4 PLACES ±	±	3 PLACES ±	±	2 PLACES ±	±	1 PLACE ±	±	0 PLACE ±	±	DRAWN BY PGSHETTY	DATE 2015/08/07	TITLE SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS molex SD-111112-3123			
	mm	INCH																			
	4 PLACES ±	±																			
	3 PLACES ±	±																			
	2 PLACES ±	±																			
	1 PLACE ±	±																			
	0 PLACE ±	±																			
	▽=0			CHECKED BY EWANG07	DATE 2015/11/05																
	▽=0			APPROVED BY RCHEN08	DATE 2015/11/09																
ANGULAR ± 1 °		MATERIAL NO. 1111123123		DOCUMENT NO. SD-111112-3123																	
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																	

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)



HEATSINK SPRING CLIP
FG NUMBER
111112-1009
(REFERENCE)

SFP+ CAGE ASSEMBLY
WITH FRONT SPRING FINGERS

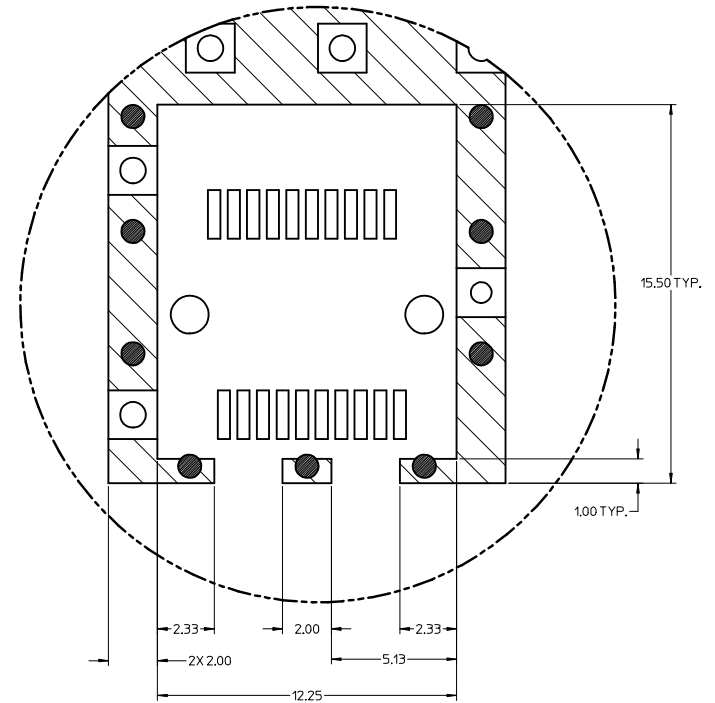
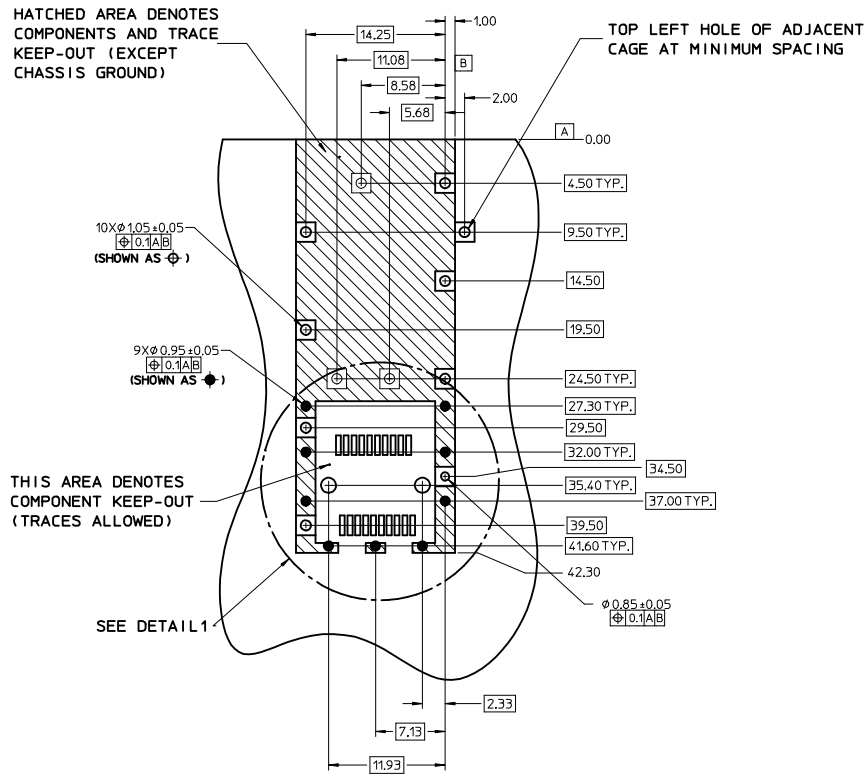
EXPLODED VIEW

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
111112-3123	PCI	1111120119	12.8	3.6	13.5	1111121009	1111122043	NO

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

ENTER DESCRIPTION EC NO: CPG2016-1931 DRAWN BY: PGSHETTY CHECKED BY: CHYKEMANG APPROVED BY: RCHEN08		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm		INCH		DRAWN BY PGSHETTY		DATE 2015/08/07		TITLE SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS molex	
				4 PLACES ±		±		CHECKED BY EWANG07		DATE 2015/11/05			
				3 PLACES ±		±		APPROVED BY RCHEN08		DATE 2015/11/09			
				2 PLACES ±		±							
				1 PLACE ±		±							
0 PLACE ±		±											
				ANGULAR ± 1 °				MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				1111123123		SD-111112-3123		2 OF 5	
A		REV				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PCB LAYOUT FOR SINGLE SIDE MOUNT



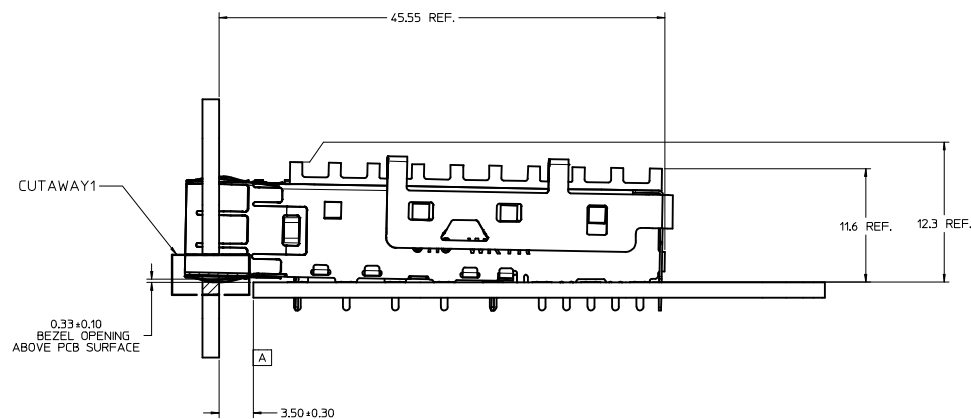
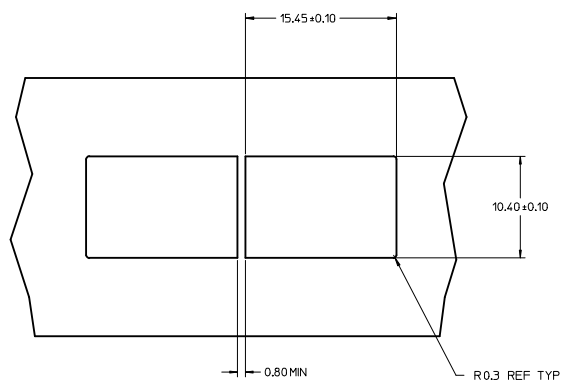
DETAIL 1
SCALE 10:1
HOST CONNECTOR DETAIL

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

SEE REVISION TABLE			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REV	DESCRIPTION	DATE	SYMBOL	VALUE	MM	INCH	MM ONLY	DATE	4:1	METRIC	
A	DRW:PGSHETTY CHK:EWANG07 APP:RCHEN08	2015/08/07 2015/11/05 2015/11/09	▽=0	4 PLACES ±---	±---	±---	PGSHETTY	2015/08/07			SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS
			▽=0	3 PLACES ±---	±---	±---	EWANG07	2015/11/05			
			▽=0	2 PLACES ±0.15	±---	±---					molex
				1 PLACE ±0.25	±---	±---					
				0 PLACE ±---	±---	±---	RCHEN08	2015/11/09			SD-111112-3123
											3 OF 5

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



SEE REVISION TABLE EC NO: CPG2016-1931 DRWN:PGSHETTY 2015/08/07 CHKD:EWANG07 2015/11/05 APPR:RCHEN08 2015/11/09	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
							MM ONLY		4:1	METRIC				
			  	mm		INCH		DRAWN BY	DATE	TITLE				
				4 PLACES ±		±		PGSHETTY	2015/08/07	SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS molex				
				3 PLACES ±		±		CHECKED BY	DATE					
				2 PLACES ± 0.15		±		EWANG07	2015/11/05					
				1 PLACE ± 0.25		±		APPROVED BY	DATE					
			0 PLACE ±		±		RCHEN08	2015/11/09						
					ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		1111123123		SD-111112-3123		4 OF 5			
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

molex

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

SHEET NO.
4 OF 5

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

M

L

K

J

I

H

G

F

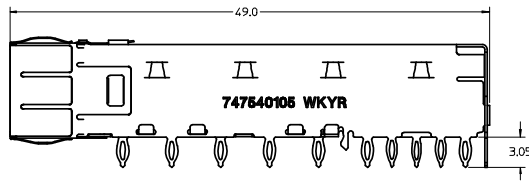
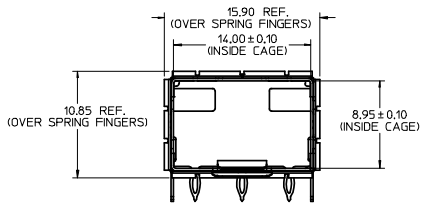
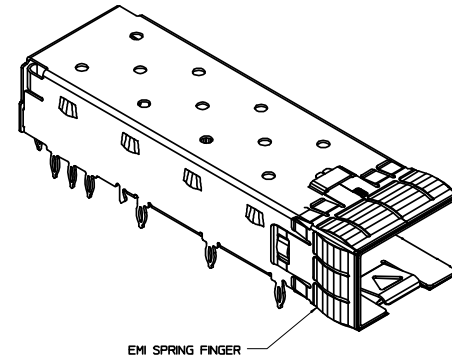
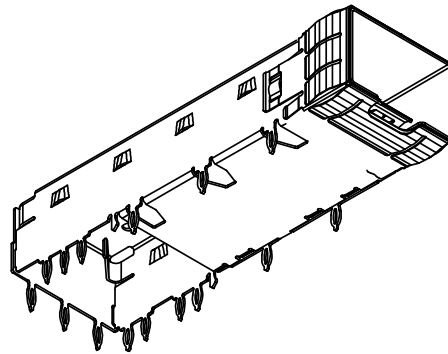
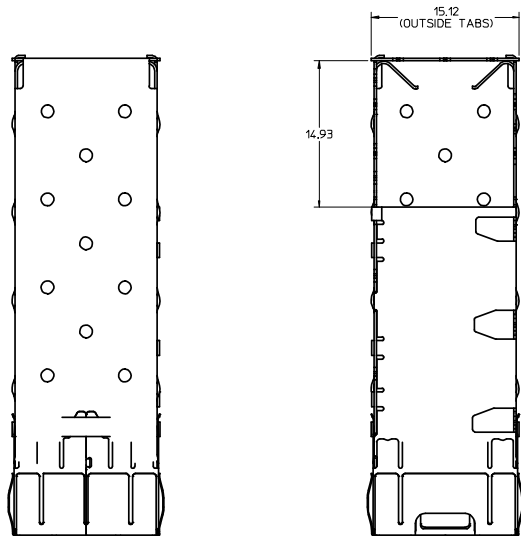
E

D

C

B

A

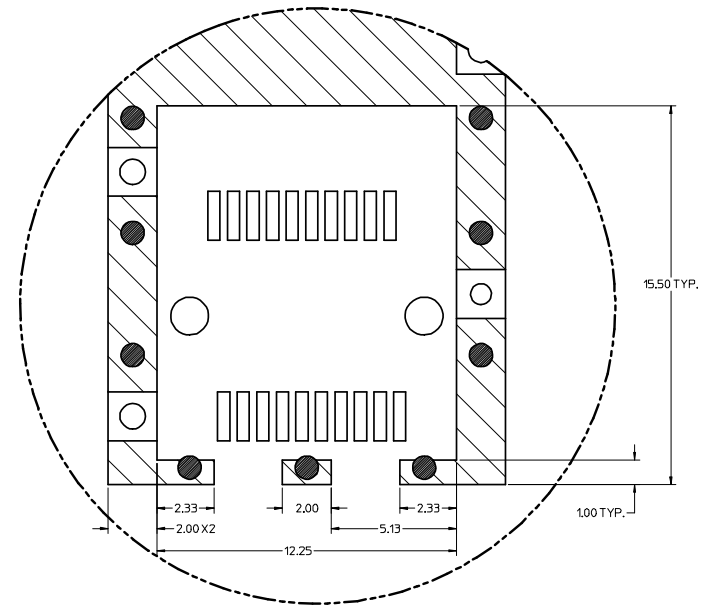
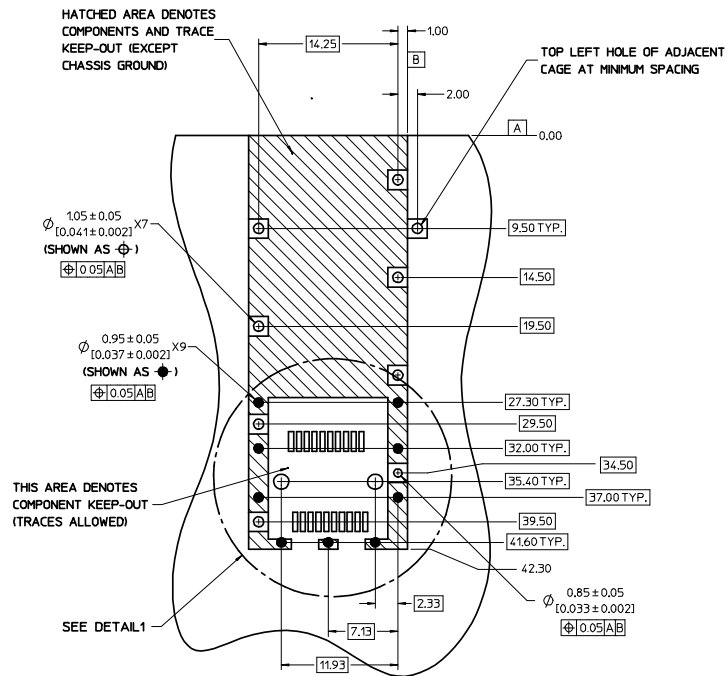


NOTES:

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 -
157 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 2008/03/24 CHKD: JRESENDE 2008/03/24 APPR: JRESENDE 2008/03/26	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm INCH		DRAWN BY JRESENDE	DATE 2008/03/14	TITLE SFP+ 1X1 CAGE ASSEMBLY PRESS FIT WITH EMI SPRING FINGERS			
			4 PLACES ± --- ± ---		CHECKED BY JRESENDE	DATE 2008/03/14				
			3 PLACES ± --- ± ---		APPROVED BY KJANOTA		DATE 2008/03/14	MOLEX INCORPORATED		
			2 PLACES ± 0.15 ± ---		MATERIAL NO. 747540105		DOCUMENT NO. SD-74754-0105			
			1 PLACE ± 0.25 ± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			ANGULAR ± 1 °		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

PCB LAYOUT FOR SINGLE SIDE MOUNT



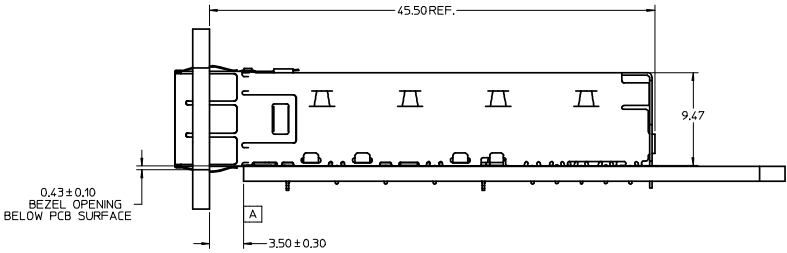
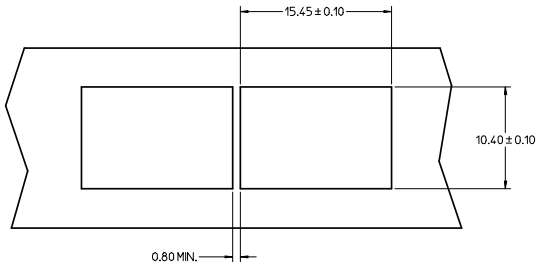
DETAIL1
SCALE 10:1
HOST CONNECTOR DETAIL

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 BY: JRESENDE CHECKED BY: CHYD-RESENDEZ APPR: JRESENDE DATE: 2008/03/14 DATE: 2008/03/14 DATE: 2008/03/14	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></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>0.15</td><td>---</td></tr><tr><td>1 PLACE ±</td><td>0.25</td><td>---</td></tr></table> ANGULAR ± 1 °		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.15	---	1 PLACE ±	0.25	---	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH																
			4 PLACES ±	---	---																
			3 PLACES ±	---	---																
			2 PLACES ±	0.15	---																
1 PLACE ±	0.25	---																			
DRAWN BY: JRESENDE DATE: 2008/03/14		TITLE SFP+ 1X1 CAGE ASSEMBLY PRESS FIT WITH EMI SPRING FINGERS																			
CHECKED BY: JRESENDE DATE: 2008/03/14																					
APPROVED BY: KJANOTA DATE: 2008/03/14																					
MATERIAL NO. 747540105		DOCUMENT NO. SD-74754-0105		SHEET NO. 2 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																			

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



INITIAL RELEASE EC NO: USY2008-0359 DRAWN: JRESENDE 2008/03/24 CHKD: JRESENDEZ 2008/03/24 APPR: JRESENDE 2008/03/26	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE JRESENDE 2008/03/14		TITLE SFP+ 1X1 CAGE ASSEMBLY PRESS FIT WITH EMI SPRING FINGERS			
		4 PLACES ± --- ± ---		CHECKED BY DATE JRESENDE 2008/03/14					
		3 PLACES ± --- ± ---		APPROVED BY DATE KJANOTA 2008/03/14					
		2 PLACES ± 0.15 ± ---		MATERIAL NO. 747540105		DOCUMENT NO. SD-74754-0105			
		1 PLACE ± 0.25 ± ---							
		ANGULAR ± 1 °		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
REV	DESCRIPTION	SHEET NO. 3 OF 3							