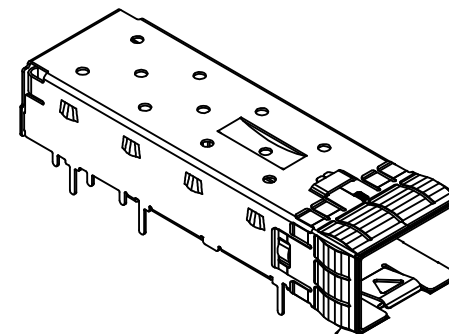
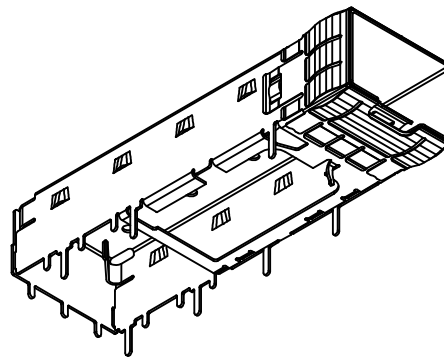
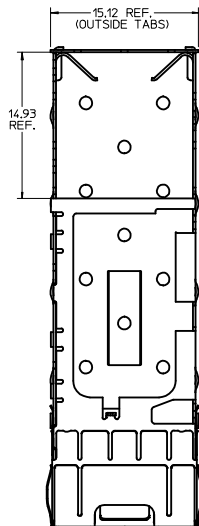
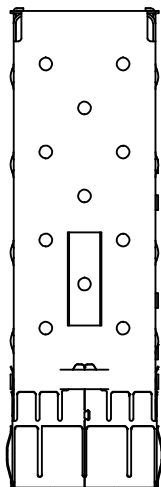
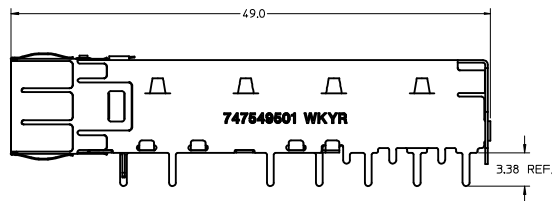
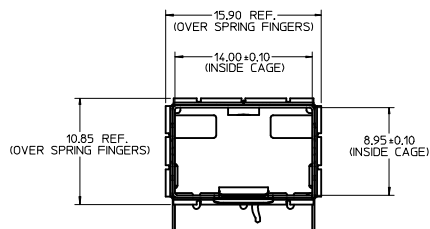


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1




EMI SPRING FINGER



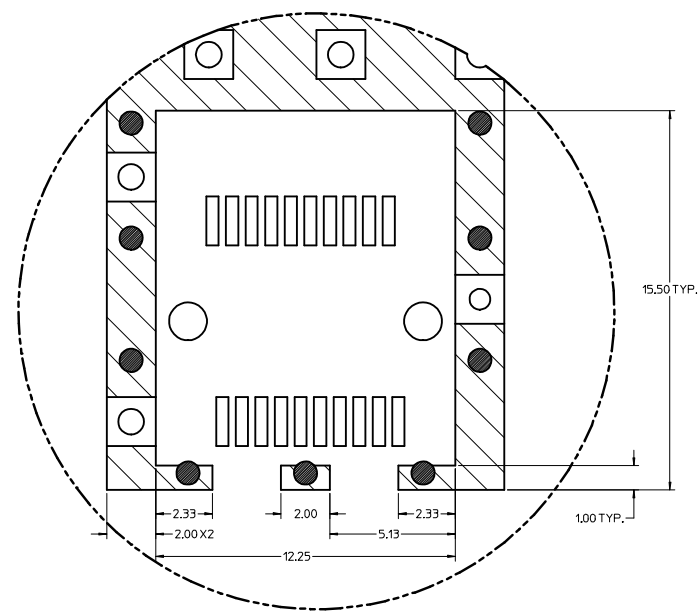
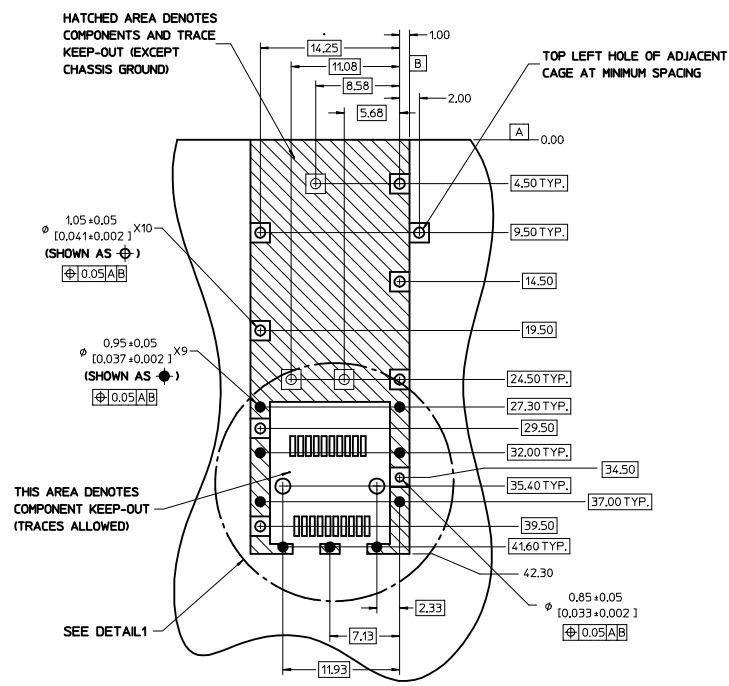
#### NOTES:

1. MATERIAL:  
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm  
SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm
2. OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
3. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE BACKWARDS COMPATIBLE WITH SFP TRANSCEIVERS
4. NO RoHS EXEMPTION.

INITIAL RELEASE IEC NO: CPG2013-3246 DRAWN BY: RCHEN08 CHECKED BY: CHYKMA JOHNSTON APPROVED BY: KLOYD DATE: 2012/10/26 2013/04/19 2013/05/21	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH			TITLE		
			4 PLACES ±	---	±	---	DRAWN BY RCHEN08	DATE 2012/10/26		SFP+ 1X1 CAGE ASSEMBLY BOTTOM REMOVED AND ADDED SPRING ONTO TOP (ADTRAN) <b>molex</b>
			3 PLACES ±	---	±	---	CHECKED BY MA JOHNSTON	DATE 2013/04/19		
2 PLACES ±	0.15	±	---	APPROVED BY KLOYD	DATE 2013/05/21					
A WKYR	NEW	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 1 °		MATERIAL NO. 747549501		DOCUMENT NO. RSD-74754-9501		SHEET NO. 1 OF 4	
			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

# PCB LAYOUT FOR SINGLE SIDE MOUNT

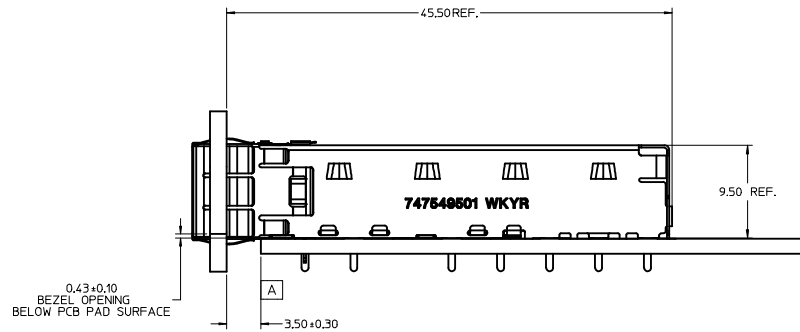
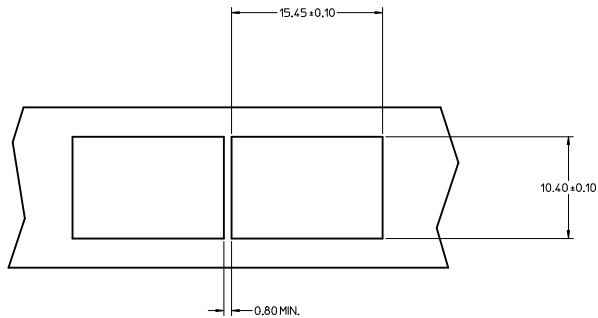


## NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. FOR WAVE SOLDERING TO 3.3MM MAXIMUM THICK PCB.
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.

<b>INITIAL RELEASE</b> EC NO: CPG2013-3246 DRAWN BY: RCHEN08 CHECKED BY: CHKOMAJONSTON APPROVED BY: KKLLOYD DATE: 2012/10/26 DATE: 2013/04/19 DATE: 2013/05/21	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 ± --- ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE <b>MM ONLY</b> DRAWN BY: RCHEN08 CHECKED BY: MAJOHNSTON APPROVED BY: KKLLOYD DATE: 2012/10/26 DATE: 2013/04/19 DATE: 2013/05/21		SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION 	TITLE <b>SFP+ 1X1 CAGE ASSEMBLY          BOTTOM REMOVED AND ADDED          SPRING ONTO TOP (ADTRAN)</b>
		MATERIAL NO. <b>747549501</b>		DOCUMENT NO. <b>RSD-74754-9501</b>		SHEET NO. <b>2 OF 4</b>		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		SIZE <b>D</b>		MOLEX		MOLEX		MOLEX	
		EC NO: CPG2013-3246 DRAWN BY: RCHEN08 CHECKED BY: CHKOMAJONSTON APPROVED BY: KKLLOYD DATE: 2012/10/26 DATE: 2013/04/19 DATE: 2013/05/21		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 ± --- ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION STYLE <b>MM ONLY</b> DRAWN BY: RCHEN08 CHECKED BY: MAJOHNSTON APPROVED BY: KKLLOYD DATE: 2012/10/26 DATE: 2013/04/19 DATE: 2013/05/21	



BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

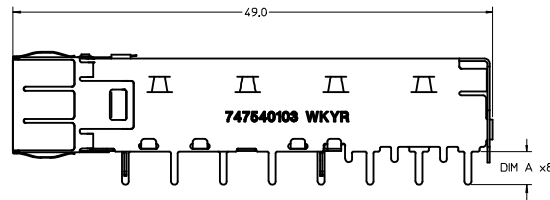
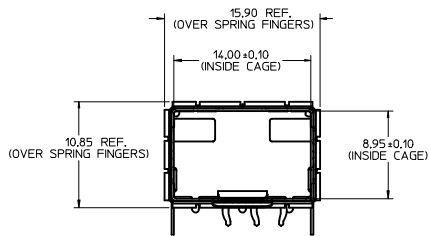
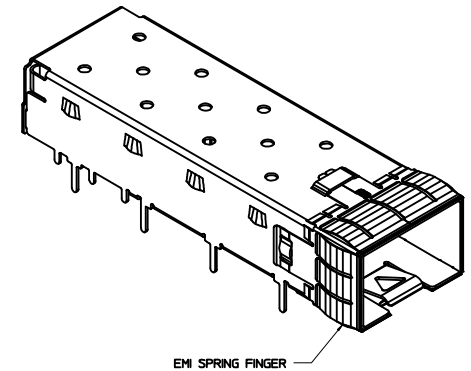
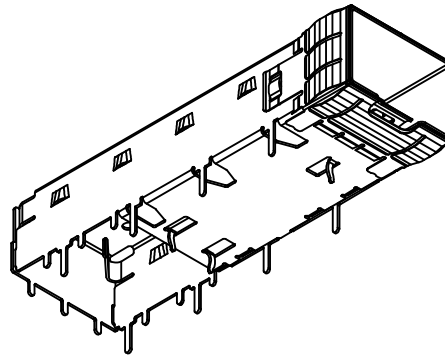
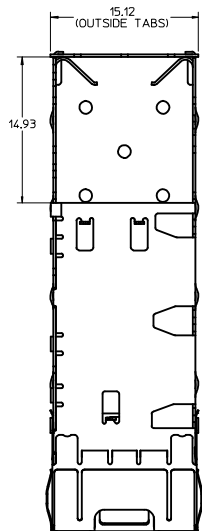


INITIAL RELEASE EC NO. CPG2013-3246 DRAWN BY: DRWN:RCHEN08 CHECKED BY: CHYKOMA JOHNSTON APPROVED BY: K LLOYD	REV A	DESCRIPTION 2012/10/26 2013/04/19 2013/05/21	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE SFP+ 1X1 CAGE ASSEMBLY BOTTOM REMOVED AND ADDED SPRING ONTO TOP (ADTRAN)  <b>molex</b>			

molex

	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																					

INITIAL RELEASE EC NO: CPG2013-3246 DRAWN BY: RCHEN08 CHECKED BY: MAJOHNSTON APPROVAL: KLLOYD	2012/10/26 2013/04/19 2013/05/21	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
							DRAWN BY RCHEN08		DATE 2012/10/26	TITLE SFP+ 1X1 CAGE ASSEMBLY BOTTOM REMOVED AND ADDED SPRING ONTO TOP (ADTRAN)					
							CHECKED BY MAJOHNSTON		DATE 2013/04/19						
							APPROVED BY KLLOYD		DATE 2013/05/21						
								ANGULAR ± 1 °		MATERIAL NO. 747549501		DOCUMENT NO. RSD-74754-9501		SHEET NO. 4 OF 4	
								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					



747540103 WKYR

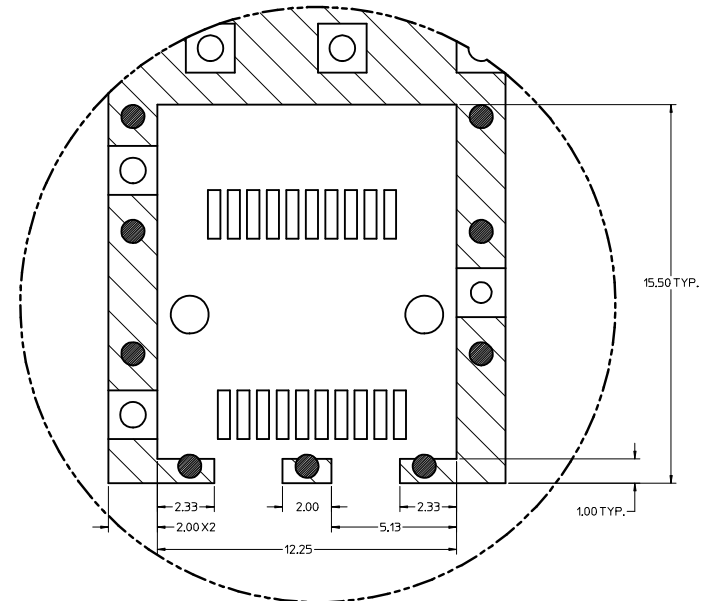
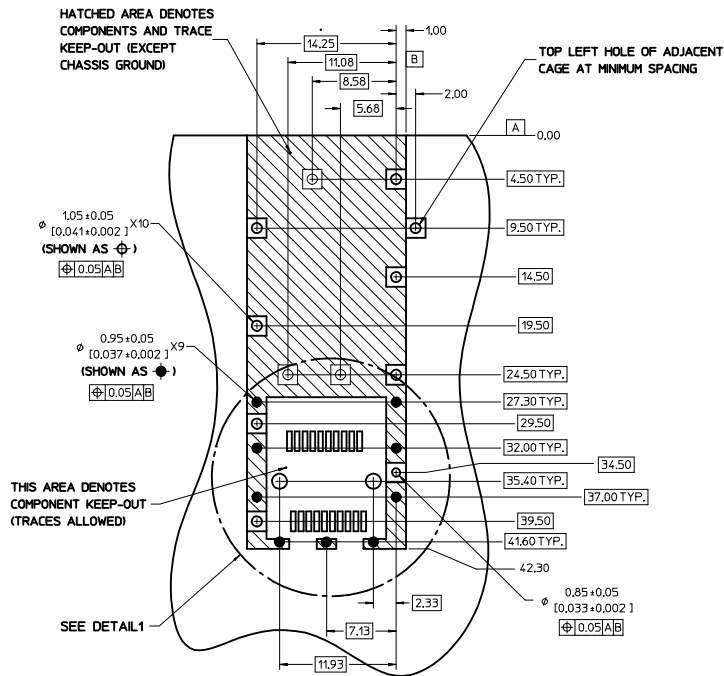
#### NOTES:

1. MATERIAL:  
CAGE: COPPER ALLOY, THICKNESS 0.25mm  
SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm
2. OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
3. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE BACKWARDS COMPATIBLE WITH SFP TRANSCEIVERS
4. NO ROHS EXEMPTIONS

MOLEX PN	PLATING	DIM A
747540103	PRE-PLATED WITH NICKEL	3.38
747540120	UNPLATED	3.38
747540901	PRE-PLATED WITH NICKEL	2.00

ADDED NEW P/N EC NO: CPG2013-2005 DRAWN: ANDERSON1 2013/01/02 CHKD: MAJONSTON 2013/01/02 APPR: KLLOYD 2013/01/08	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 ± --- ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	DRAWN BY JRESENDE CHECKED BY JRESENDE APPROVED BY KJANOTA DATE 2008/03/13 TITLE SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS molex	MATERIAL NO. SEE TABLE DOCUMENT NO. SD-74754-0103	SHEET NO. 1 OF 4

# PCB LAYOUT FOR SINGLE SIDE MOUNT



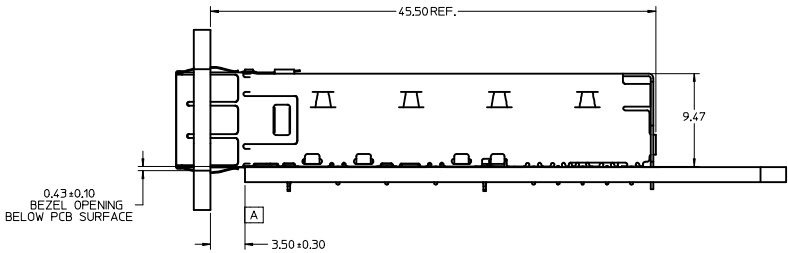
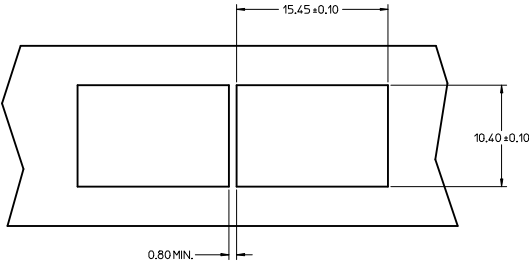
DETAIL1  
SCALE 10:1  
HOST CONNECTOR DETAIL


## 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.

ADDED NEW P/N EC NO.: CPG2013-2105 DRW: ENDRSON01 2013/01/02 CHK: MAJONSTON 2013/01/02 APP: RKLLOYD 2013/01/08	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE  SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS  <b>molex</b>	DOCUMENT NO. SD-74754-0103	SHEET NO. 2 OF 4
						MM ONLY		4:1	METRIC				
			▽=0	mm	INCH	DRAWN BY	DATE						
			▽=0	4 PLACES ±---	±---	JRESENDE	2008/03/13						
			▽=0	3 PLACES ±---	±---	CHECKED BY	DATE						
			▽=0	2 PLACES ±0.15	±---	JRESENDE	2008/03/13						
				1 PLACE ±0.25	±---	APPROVED BY	DATE						
			▽=0	0 PLACE ±---	±---	KJANOTA	2008/03/13						
				ANGULAR ± 1 °		MATERIAL NO.							
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE							
						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  
(SPRING FINGER)



ADDED NEW P/N EC NO. CPG2013-2105 DRYNEANDERSON01 2013/01/02 CHYKOMAJOHNSTON 2013/01/02 APPROVAL: 2013/01/08 REV D	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS <b>molex</b>	DOCUMENT NO. SD-74754-0103	SHEET NO. 3 OF 4		
						DRAWN BY DATE JRESENDE 2008/03/13									
						CHECKED BY DATE JRESENDE 2008/03/13									
						APPROVED BY DATE K JANOTA 2008/03/13									
						MATERIAL NO.									
						SEE TABLE									
						SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
ANGULAR ± 1 °															
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	
M																					M
L																					L
K																					K
J																					J
I																					I
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

DATE (YEAR/MONTH/DAY)	REVISION	COMMENTS
2012/10/04	REV C	ADDED PN TABLE. REMOVED NICKEL PLATED FROM CAGE.
2013/01/04	REV D	ADDED 74754-0901. ADDED DIM A TO TABLE. REMOVED MINIMUM PCB THICKNESS NOTE. UPDATED ROHS NOTE. CREATED SHT4 AND ADDED REV HISTORY.

ADDED NEW P/N EC NO: CPG2013-2105 DRAWNEANDERSON01 2013/01/02 CHYKOMAJOHNSTON 2013/01/02 APPR:KLLOYD 2013/01/08 REV D	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 ± --- ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE SFP+ 1X1 CAGE ASSEMBLY WITH SPRING FINGERS AND SOLDER POST LEGS <b>molex</b>	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-74754-0103	SHEET NO. 4 OF 4

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