

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

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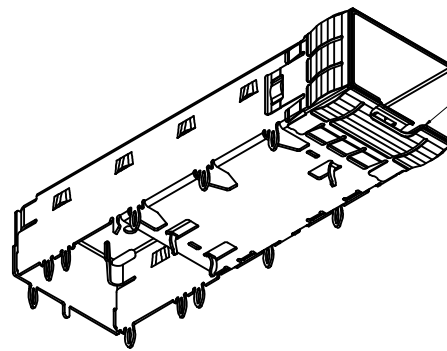
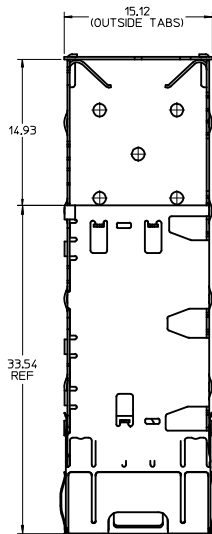
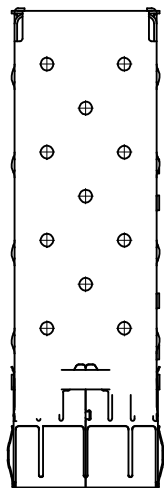
E

D

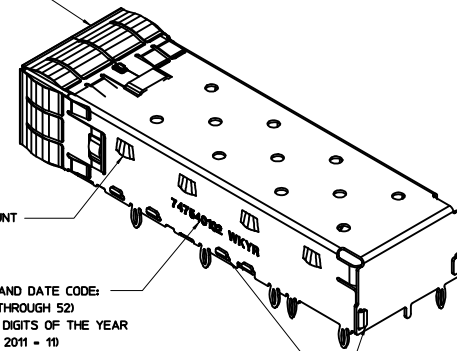
C

B

A



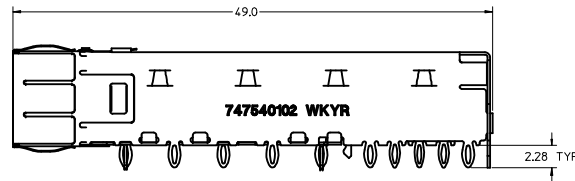
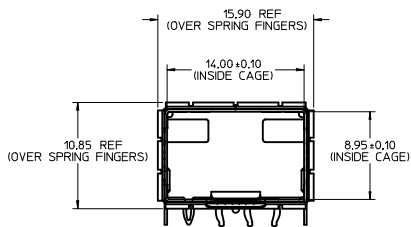
EMI SPRING FINGERS



TABS USED TO MOUNT
LIGHT PIPE COVER

CAGE INFORMATION:
MATERIAL NUMBER AND DATE CODE:
WK - WEEK (01 THROUGH 52)
YR - LAST TWO DIGITS OF THE YEAR
(EXAMPLE: 2011 - 11)

ONE PIECE DESIGN
SECURELY FASTENED



NOTES:

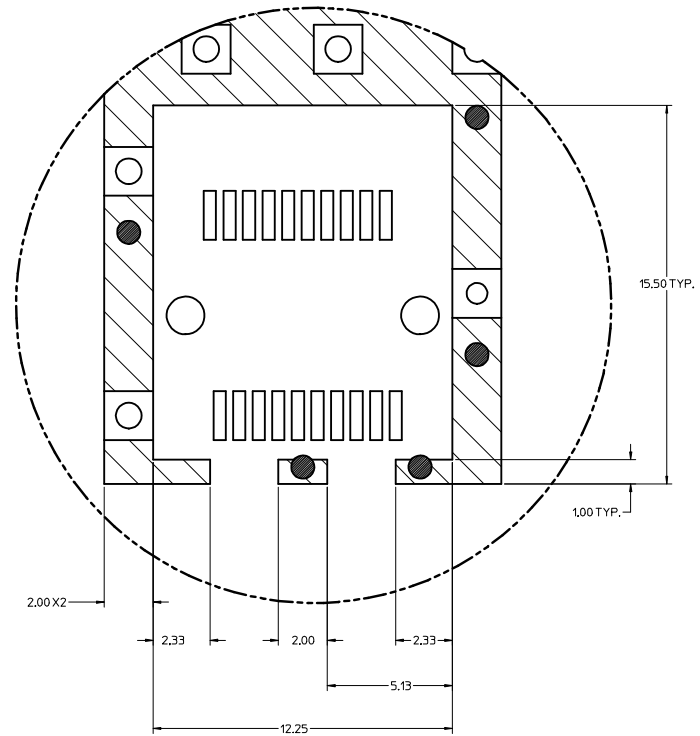
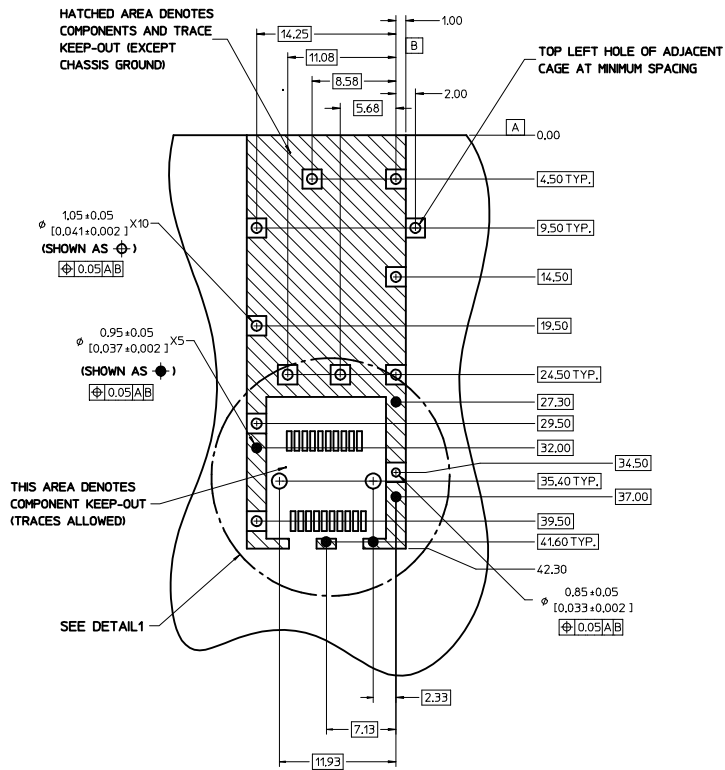
1. MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED
SPRING FINGER: 0.10mm THICK COPPER ALLOY, NICKEL PLATED
2. PRESS FIT LEGS 2.28 [.090 INCH] LONG -
1.57 [.062 INCH] MINIMUM PCB THICKNESS FOR SINGLE SIDED USE
3.00 [.118 INCH] MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE
3. OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
4. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE
COMPATIBLE WITH SFP TRANSCEIVERS
5. LEAD FREE, NO RoHS EXEMPTIONS

MOLEX P/N	WELD POINT	WELD PACKAGING
747540102	NO	TRAY
747548102	NO	TAPE & REEL

ADDED PACKAGING EC NO: CPG2013-0273 DRAWN: JERWIN 2012/07/16 CHKD: A JOHNSTON 2012/07/16 APPR: K LLOYD 2012/07/28 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
	▽=0	4 PLACES ± --- ± ---	mm	INCH	DRAWN BY JRESENDE	DATE 2008/03/06	TITLE SFP+ 1X1 CAGE ASSY, PRESS FIT, WITH EMI SPRING FINGERS molex SD-74754-0102		
	▽=0	3 PLACES ± --- ± ---			CHECKED BY MA JOHNSTON	DATE 2008/03/06			
	▽=0	2 PLACES ± 0.15 ± ---			APPROVED BY	DATE 2008/03/06			
		1 PLACE ± 0.25 ± ---			MATERIAL NO.	DOCUMENT NO.			
		0 PLACE ± --- ± ---			SEE CHART				
		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		

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



DETAIL1
SCALE 10:1
HOST CONNECTOR DETAIL

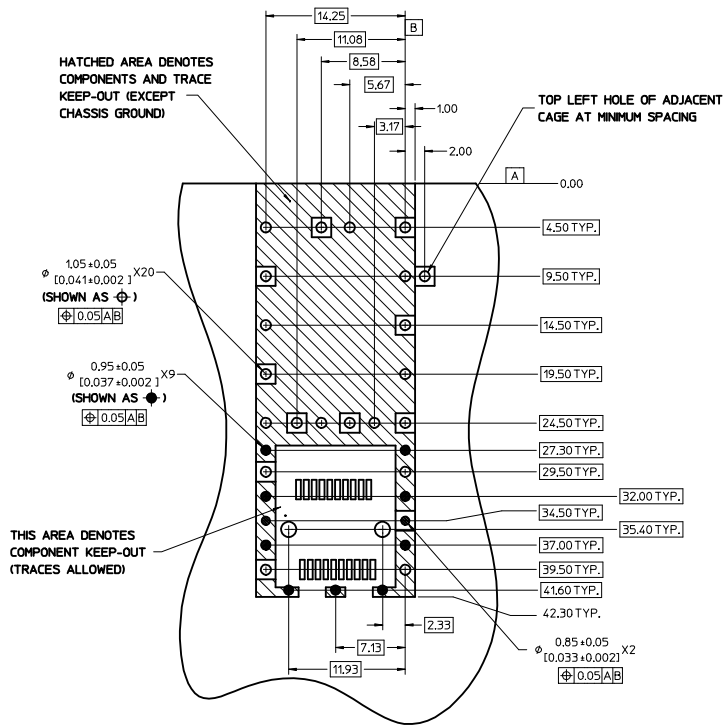
NOTES:

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 PACKAGING EC NO: CPG2013-0273 DRAWN: ERWIN CHECKED: JOHNSTON APPROVED: LLOYD	2012/07/16 2012/07/16 2012/07/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 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	TITLE SFP+ 1X1 CAGE ASSY, PRESS FIT, WITH EMI SPRING FINGERS molex	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-74754-0102	SHEET NO. 2 OF 6

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 2 FOR
HOST CONNECTOR DETAIL

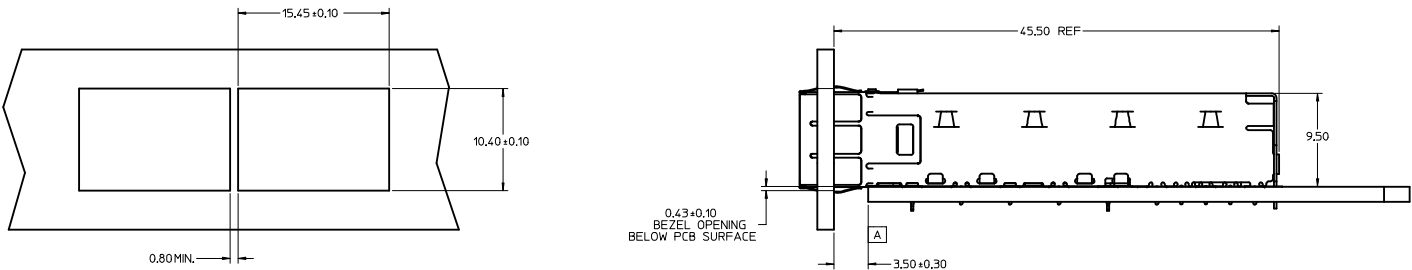
NOTES:

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.

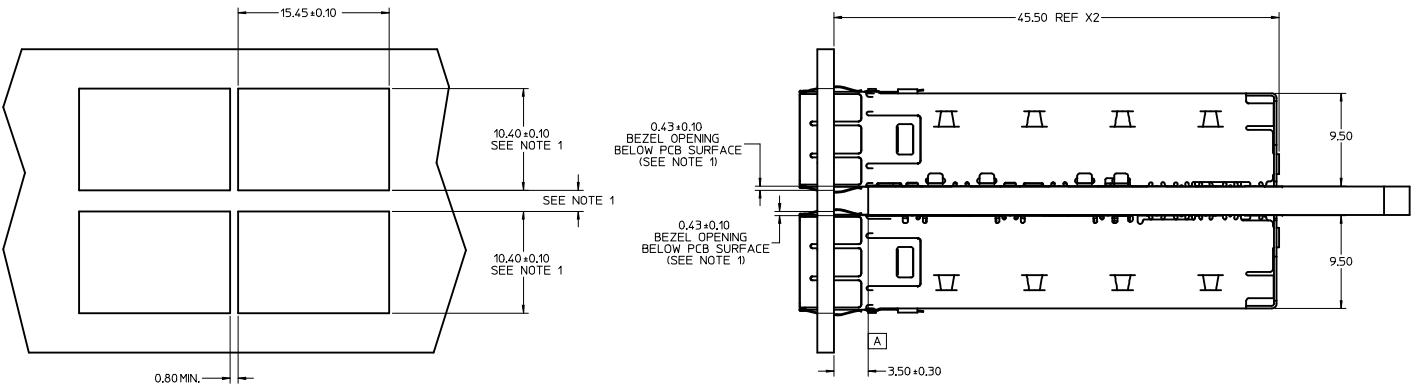
ADDED PACKAGING EC NO: CPG2013-0273 DRAWN: JERIN 2012/07/16 CHECKED: CHYDIA JOHNSTON 2012/07/16 APPROVED: KJANOTA 2012/07/28	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			mm INCH		DRAWN BY JRESENDE	DATE 2008/03/06	TITLE SFP+ 1X1 CAGE ASSY, PRESS FIT, WITH EMI SPRING FINGERS		
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---		CHECKED BY MAJOHNSTON	DATE 2008/03/06			
			ANGULAR ± 1 °		APPROVED BY KJANOTA	DATE 2008/03/06			
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-74754-0102		SHEET NO. 3 OF 6			
		SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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)



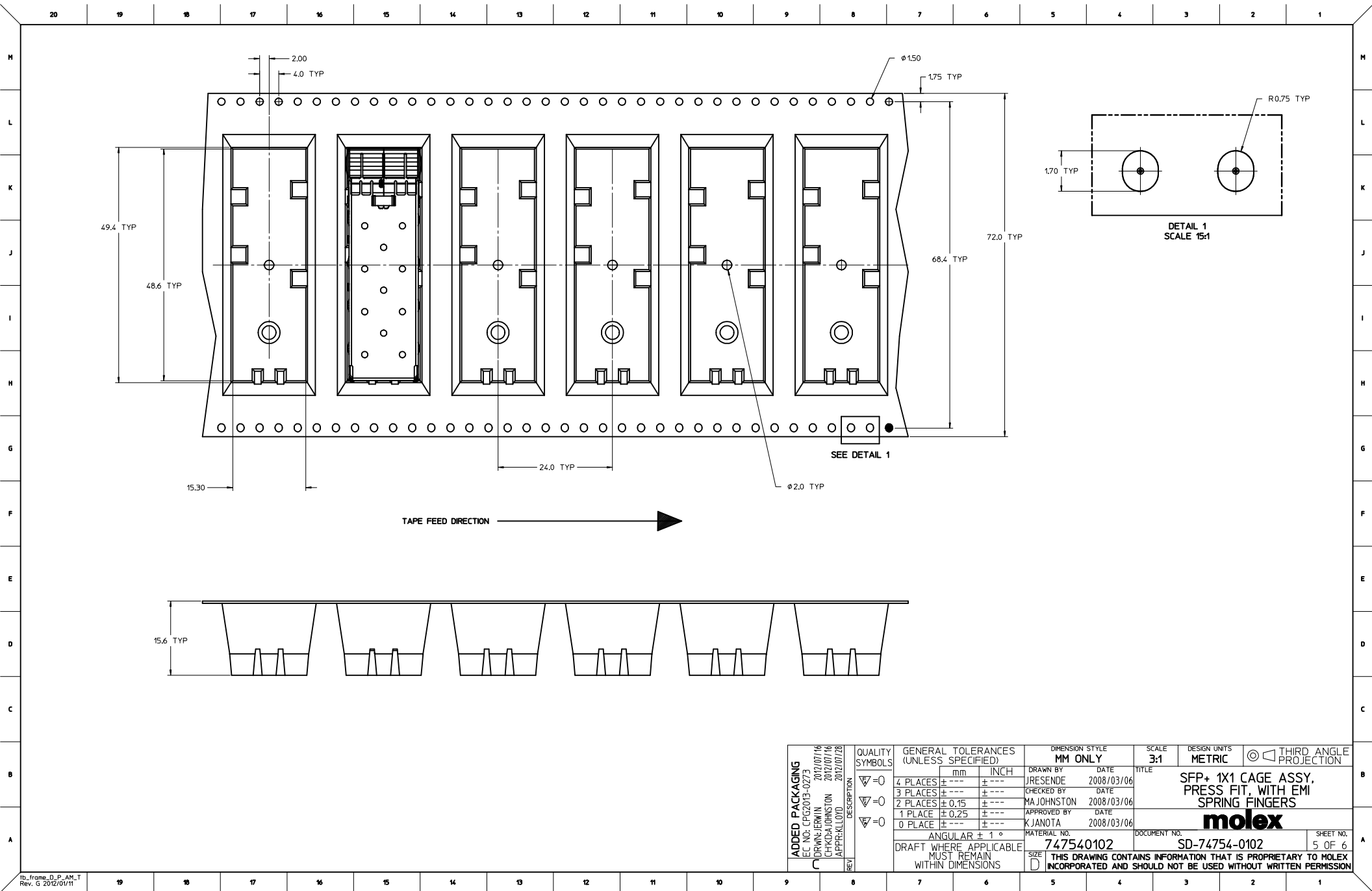
BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING
(SPRING FINGER)



NOTES:

1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

ADDED PACKAGING EC NO: CPG2013-0273 DRAWN BY: CHYKOA JOHNSTON CHECKED BY: APPR: K LLOYD DATE: 2012/07/16 DATE: 2012/07/18	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 DATE JRESENDE 2008/03/06 DATE MA JOHNSTON 2008/03/06 DATE K JANOTA 2008/03/06	SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE SFP+ 1X1 CAGE ASSY, PRESS FIT, WITH EMI SPRING FINGERS molex	DOCUMENT NO. SD-74754-0102	SHEET NO. 4 OF 6



ADDED PACKAGING EC NO: CPG2013-0273 DRAWN: ERWIN 2012/07/16 CHKD: A.JOHNSON 2012/07/16 APPROVAL: K.LLOYD 2012/07/28	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
REV C		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm		INCH		DRAWN BY DATE		TITLE SFP+ 1X1 CAGE ASSY, PRESS FIT, WITH EMI SPRING FINGERS molex DOCUMENT NO. SD-74754-0102
			4 PLACES ±.00		±.00		JRESENDE 2008/03/06		
			3 PLACES ±.00		±.00		CHECKED BY DATE		
			2 PLACES ±.015		±.00		MAJONHSTON 2008/03/06		
			1 PLACE ±.025		±.00		APPROVED BY DATE		
			0 PLACE ±.00		±.00		KJANOTA 2008/03/06		
			ANGULAR ± 1°				MATERIAL NO.		
			747540102				SHEET NO. 5 OF 6		
			SIZE D				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

