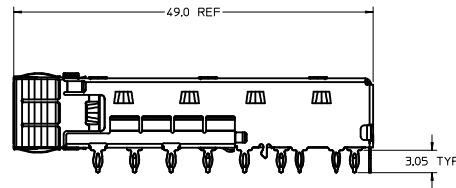
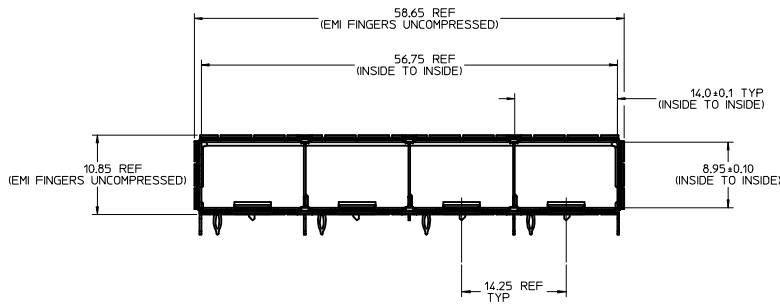
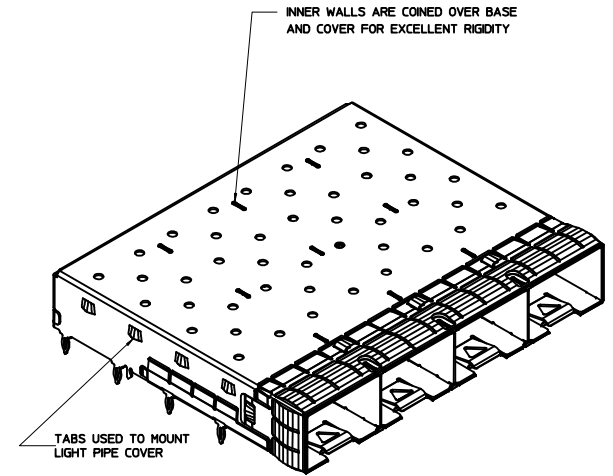
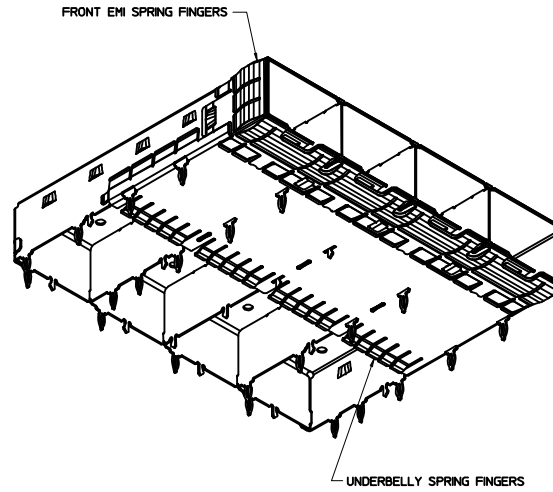
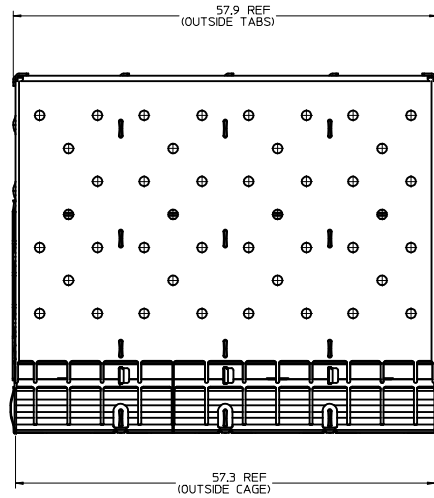


WM 3-D MODEL: EM-74754-0420



SFP+ 1X4 CAGE WITH FRONT EMI SPRING FINGERS

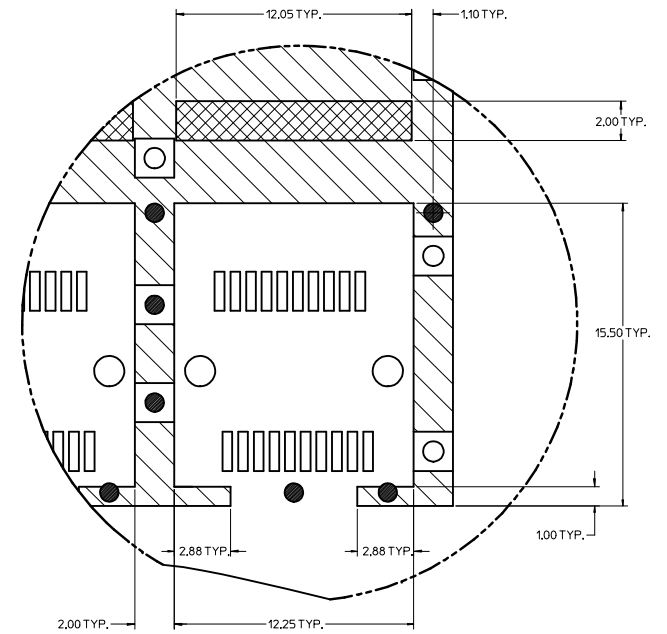
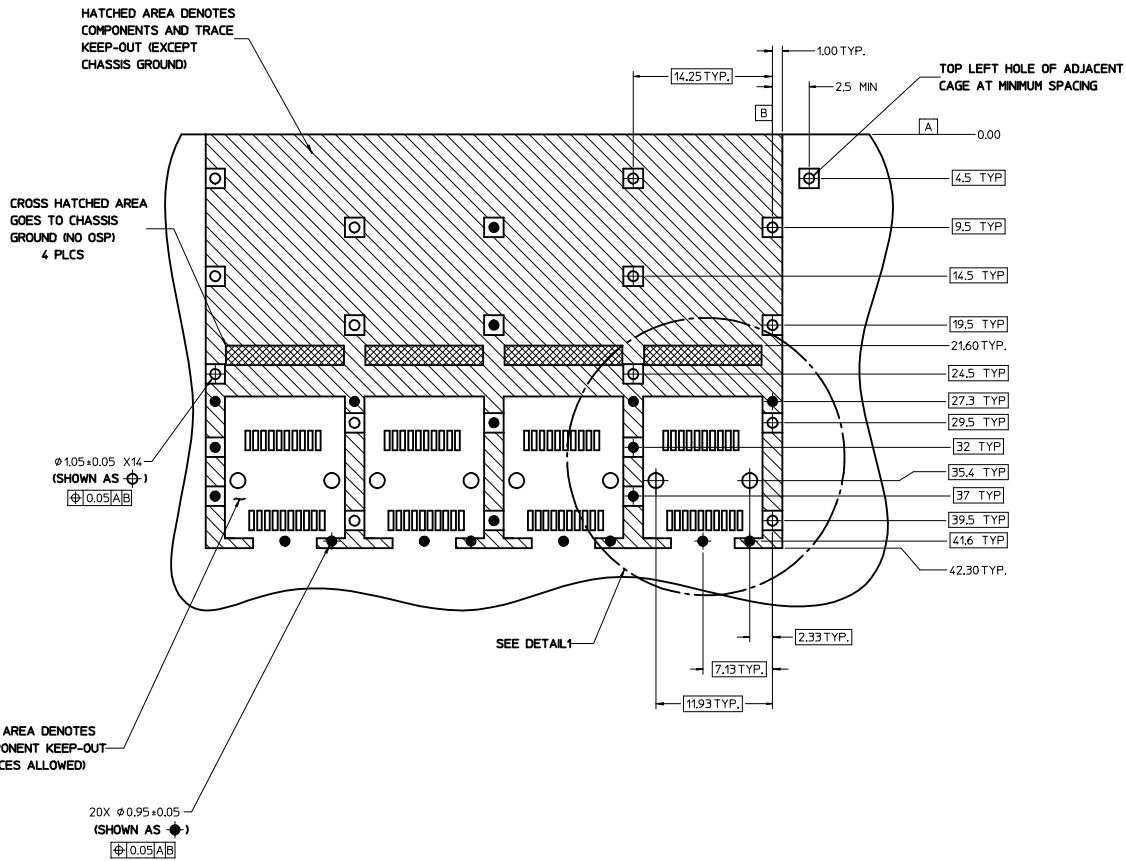
MATERIAL NO.	WELD POINT QUANTITY
747540420	6
747540423	19 (15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)

NOTES:

- MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED
FRONT EMI SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED
- PRESS FIT LEGS 3.05 (1/20 INCH) LONG
1.57 (1/62 INCH) MINIMUM PCB THICKNESS FOR SINGLE SIDED USE
3.00 (1/16 INCH) MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE
INSERTION FORCE INTO PCB <100 LBS
- OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS
- LEAD FREE, NO ROHS EXEMPTIONS
- WELD SPOTS WILL SHOW SLIGHT MATERIAL DISCOLORATION

FROM 5 TO 6 WELDS EC NO: CPG2013-0972 DRAWN BY: INSKI 2012/03/12 CHKD BY: JOHNSTON 2012/03/11 APPR BY: LLOYD 2012/03/12	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- mm ± --- INCH	3 PLACES ± --- mm ± --- INCH	2 PLACES ± 0.15 mm ± 0.005 INCH	1 PLACE ± 0.25 mm ± 0.010 INCH	ANGULAR ± 1 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: CHIRSCHY 2007/05/02 CHECKED BY: BRUSSELL 2007/05/02 APPROVED BY: RMAHMOOD 2007/05/02	TITLE SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITH SPRING FINGERS	MATERIAL NO. SEE TABLE

PCB LAYOUT FOR SINGLE SIDE MOUNT



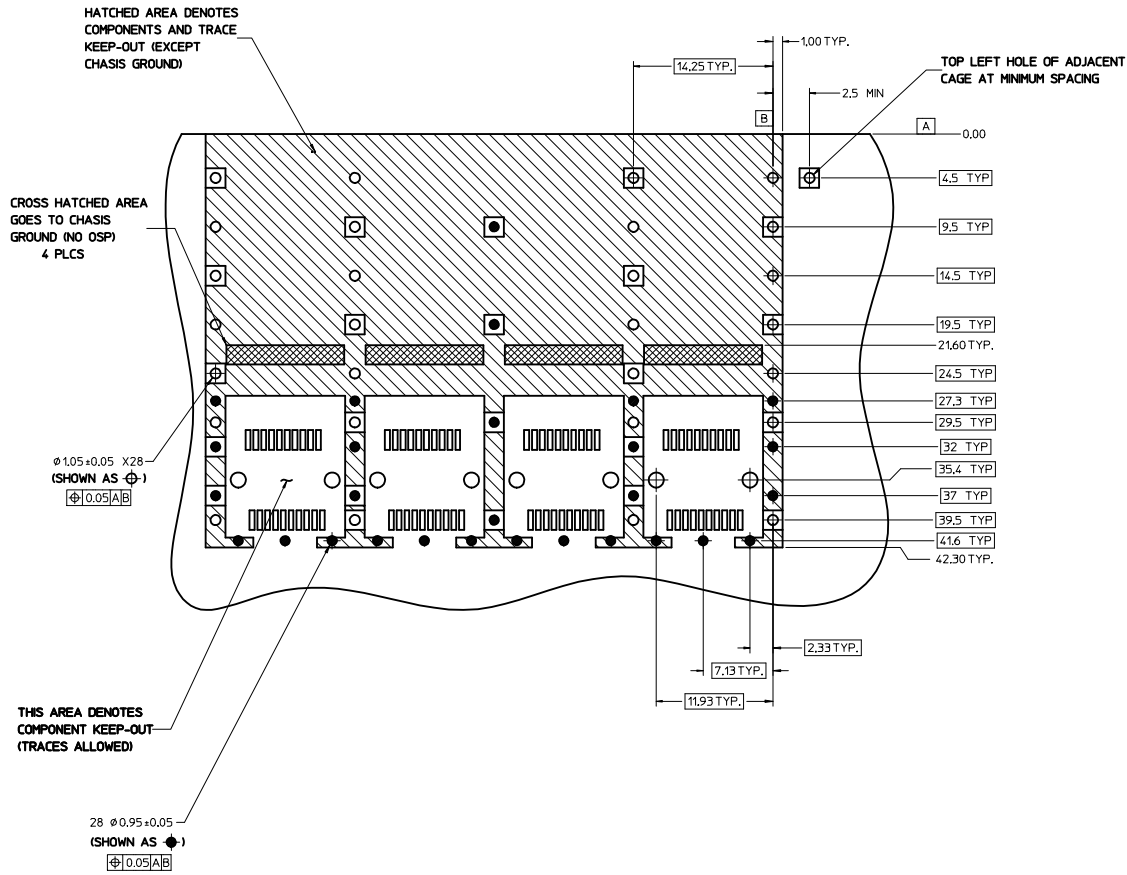
DETAIL1
SCALE 8:1
HOST CONNECTOR DETAIL

NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. 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.

FROM 5 TO 6 WELDS EC NO: CPG2013-0972 DRAWN BY: DRWNRM/KL/INSKI CHECKED BY: CHYKDA/JOHNSTON APPROVED BY: APPR:K/LOYD	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED): mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.15 ±--- 1 PLACE ±0.25 ±--- ANGULAR ± 1°	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRAWN BY: CHIRSCHY DATE: 2007/05/02 CHECKED BY: BRUSSELL DATE: 2007/05/02 APPROVED BY: RMAHMOOD DATE: 2007/05/02	TITLE SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITH SPRING FINGERS	MATERIAL NO. SEE SHEET 1	DOCUMENT NO. SD-74754-0420	SHEET NO. 2 OF 5	MOLEX INCORPORATED	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						
	SIZE D						

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



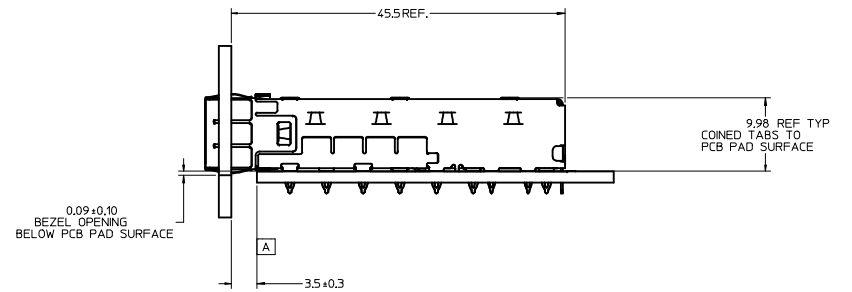
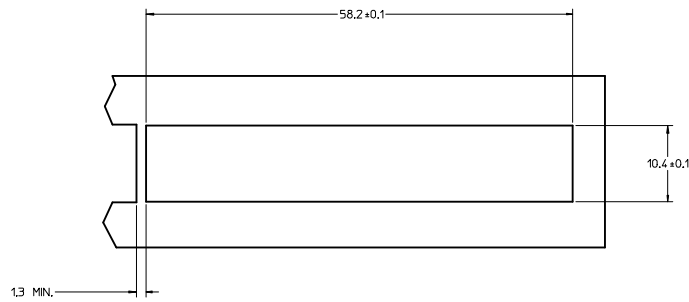
NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

NOTES:

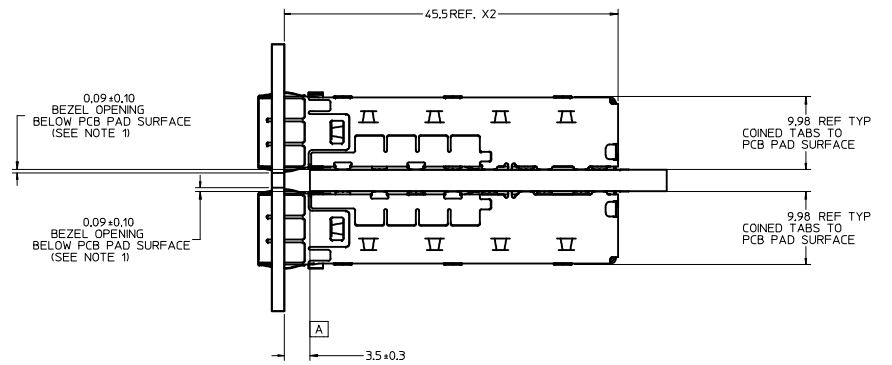
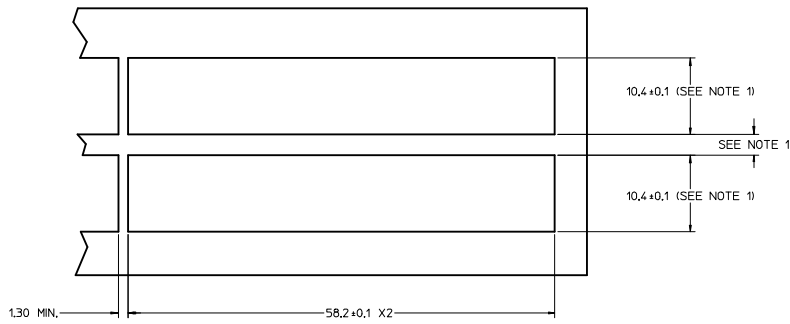
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH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

FROM 5 TO 6 WELDS IEC NO: CPG2013-0972 DRAWN BY: CHYKDA JOHNSTON CHECKED BY: APPR:KLLOYD DATE: 2012/03/12 DATE: 2012/10/11 DATE: 2012/10/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION															
	$\nabla=0$ $\nabla=0$ $\nabla=0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <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> </tbody> </table> ANGULAR ± 1°		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	± 0.15	±---	1 PLACE	± 0.25	±---	MM ONLY 1:1 METRIC	DATE 2007/05/02 DATE 2007/05/02 DATE 2007/05/02	TITLE SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITH SPRING FINGERS	MOLEX INCORPORATED
		mm	INCH																		
	4 PLACES	±---	±---																		
3 PLACES	±---	±---																			
2 PLACES	± 0.15	±---																			
1 PLACE	± 0.25	±---																			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 1	MATERIAL NO. SD-74754-0420	DOCUMENT NO. SD-74754-0420	SHEET NO. 3 OF 5																	
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.

FROM 5 TO 6 WELDS EC NO: CPG2013-0972 DRAWN BY: DR. N. MIKINSKI 2012/03/12 CHECKED BY: CHYKOA JOHNSTON 2012/10/11 APPROVED BY: APPR: KLOVD 2012/10/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1°	MM ONLY	1:1	METRIC		
	DRAWN BY: CHIRSCHY 2007/05/02 CHECKED BY: BRUSSELL 2007/05/02 APPROVED BY: RMAHMOOD 2007/05/02	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 1	TITLE: SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITH SPRING FINGERS	MOLEX INCORPORATED	DOCUMENT NO. SD-74754-0420	SHEET NO. 4 OF 5
	MATERIAL NO. SEE SHEET 1	INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

DATE (YEAR/MONTH/DAY)	REVISION	COMMENTS
2011/11/01	D	SD-74754-0420, UPDATED FROM REV. C TO REV D., ADDED P/N 747540423 & WELD POINTS IN SHEET 1.
2012/03/14	D1	PRE-RELEASED PROPOSED CHANGES: SHEET 1: REMOVED WELD POINTS FROM VIEWS; ADDED REF TO: 57.9 (L-16), 57.3 (H-16), 56.75 (F-17), AND 49.0 (F-10); D-7 DELETE 9.43; M-12, B-19, D-3: ADD 'FRONT' TO EMI SPRING FINGERS; C-2 CHANGE THE NUMBER OF WELDS FOR 747540420 FROM 5 TO 6; NOTE 6 FROM 'SPOT' TO 'SPOTS'. SHEET 4: I-9, E-9, AND D-9: ADD 'PAD'; J-4, E-4, AND D-4: ADD 'REF COINED TABS TO PCB PAD SURFACE'.
2012/03/28	E	ADDED A NOTE FOR 747540423 15mm MAX PITCH BETWEEN ANY 2 WELD POINTS) AND RELEASED.

FROM 5 TO 6 WELDS IEC NO: CPG2013-0972 DRAWN BY: MINSKI 2012/03/12 CHECKED BY: JOHNSTON 2012/10/11 APPR: KLOYD 2012/10/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	mm INCH	MM ONLY	1:1	METRIC		
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE			
	▽=0	3 PLACES ± --- ± ---	CHECKED BY DATE	SFP+ 1X4 GANGED CAGE FOR LIGHT PIPES WITH SPRING FINGERS			
▽=0	2 PLACES ± 0.15 ± ---	APPROVED BY DATE	MOLEX INCORPORATED				
▽=0	1 PLACE ± 0.25 ± ---	ANGULAR ± 1°	MOLEX INCORPORATED				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE SHEET 1	DOCUMENT NO. SD-74754-0420 SHEET NO. 5 OF 5				
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				