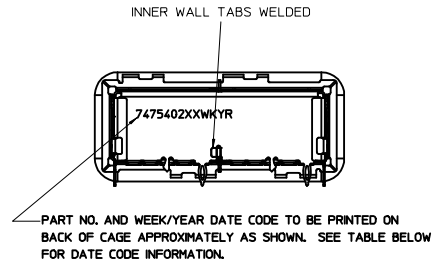
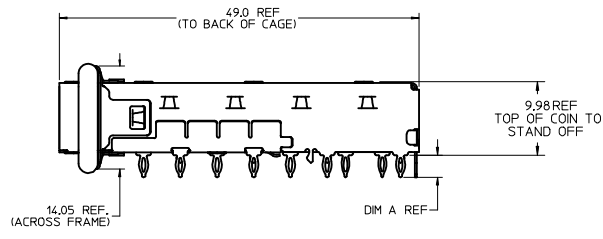
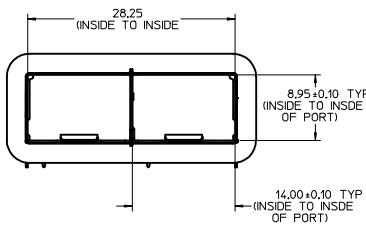


DIMENSION FOR EACH INNER CAGE DESIGNED TO FUNCTION WITH SMALL FORM-FACTOR PLUGGABLE PLUS (SFP+) TRANSCEIVER



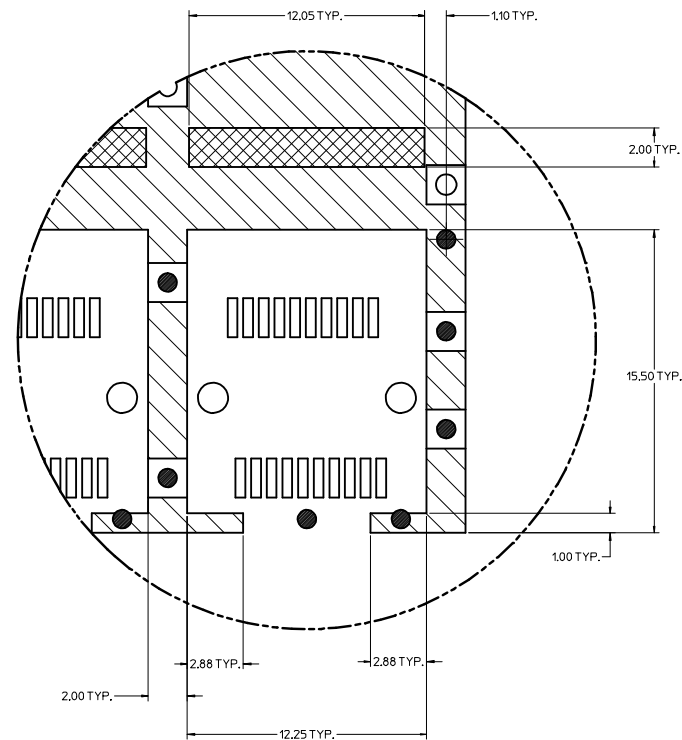
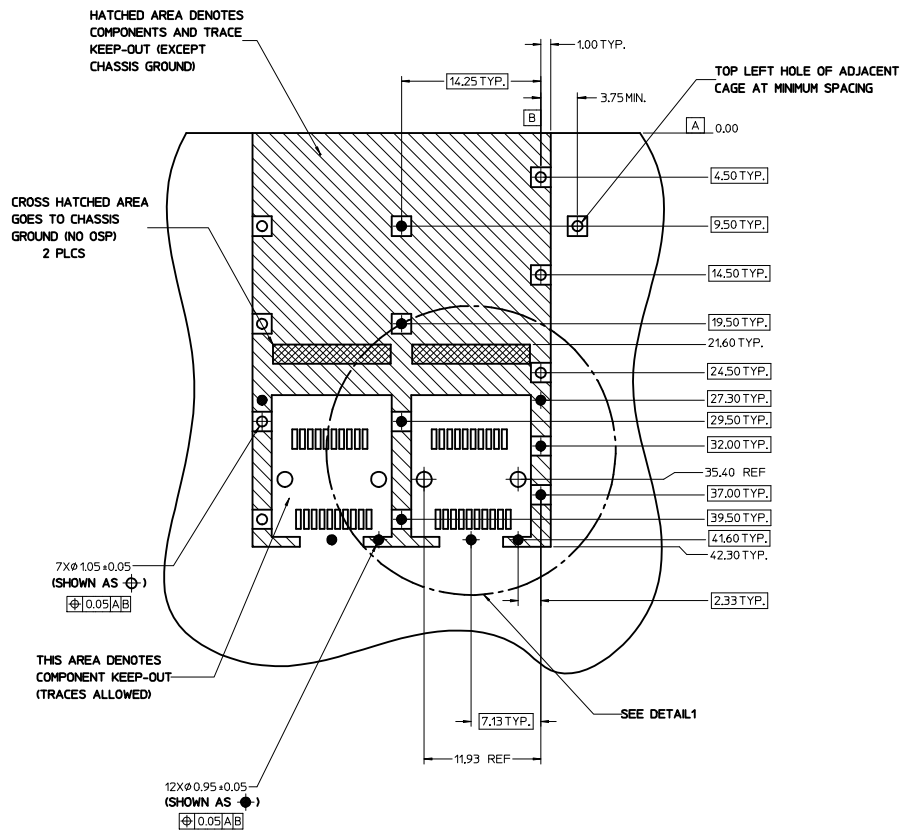
PART NUMBER	DIM A	MIN. PCB THICKNESS FOR SINGLE SIDED	MIN. PCB THICKNESS FOR BELLY TO BELLY	ELASTOMERIC GASKET FLAMMABILITY RATING
747540210	3.05	1.57	3.00	
747540212	2.28		2.28	
747540229	3.05		3.00	EQUATE TO UL94 V-0

WEEK/YEAR DATE CODE	
WK	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52=LAST WEEK OF YEAR
YR	11, 12, 13, ETC. EXAMPLE: 2013 = 13

- NOTES:
- MATERIAL:
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm.
EMI GASKET: CONDUCTIVE ELASTOMER O-RING.
 - OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.
 - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANCEIVERS.
 - NO RoHS EXEMPTIONS.

SEE REVISION TABLE EC NO: CPG2014-3461 DRAWN BY: CHYKORCHEN08 CHECKED BY: CHYKORCHEN08 APPROVED BY: CHYKORCHEN08 DATE: 2014/05/12 DATE: 2014/05/12 DATE: 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	∇=0 ∇=0 ∇=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	MM ONLY	3:1	METRIC	DRAWN BY: PSYTSMA DATE: 5/14/07 CHECKED BY: RMAMHOOD DATE: 5/14/07 APPROVED BY: BRUSSELL DATE: 5/14/07	TITLE: SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET MATERIAL NO. SEE P/N TABLE DOCUMENT NO. SD-74754-0210
	ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		SHEET NO. 1 OF 5		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
	MOLEX						

PCB LAYOUT FOR SINGLE SIDE MOUNT



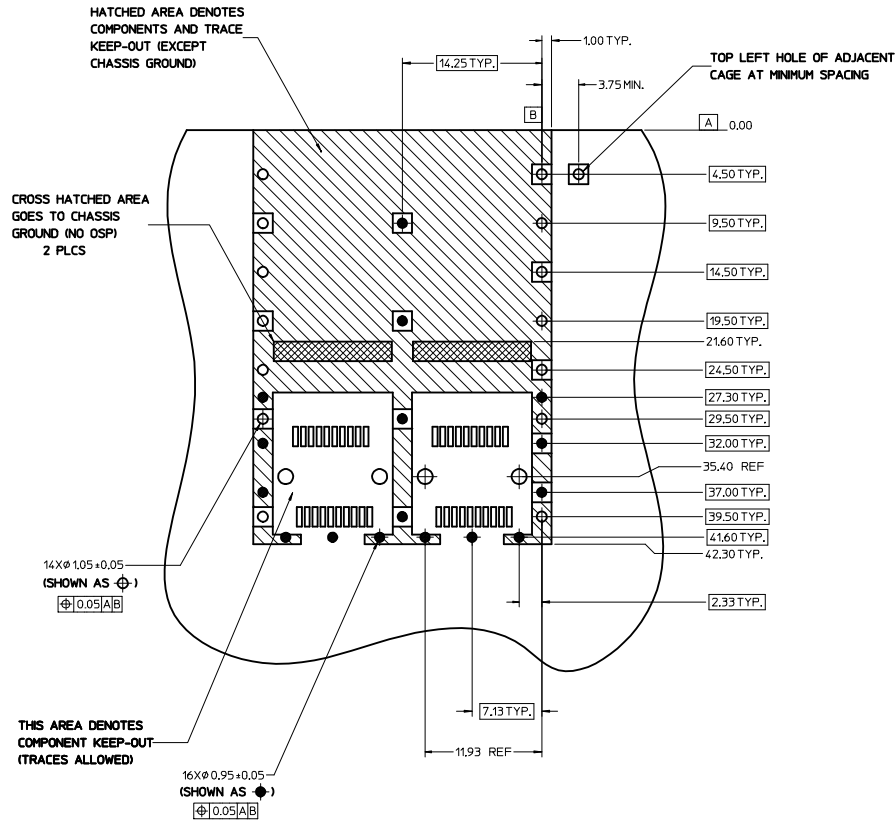
DETAIL1
SCALE 8:1
HOST CONNECTOR DETAIL

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.

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REV	DESCRIPTION	SYMBOL	VALUE	MM	INCH	MM ONLY	INCH	1:1	METRIC	AS SHOWN
1	DRWN:LUZ0 2014/05/12	▽=0	4 PLACES	±0.15	±0.005	PSYTSMA	DATE	5/14/07		TITLE
2	CHK:RCHEN08 2014/05/12	▽=0	3 PLACES	±0.15	±0.005	RMAMMOOD	DATE	5/14/07		SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET
3	APP:RCHEN08 2014/07/10	▽=0	2 PLACES	±0.25	±0.010	BRUSSELL	DATE	5/14/07		molex
			1 PLACE	±0.25	±0.010					MATERIAL NO.
			0 PLACE	±	±					DOCUMENT NO.
										SD-74754-0210
										SHEET NO.
										2 OF 5
										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

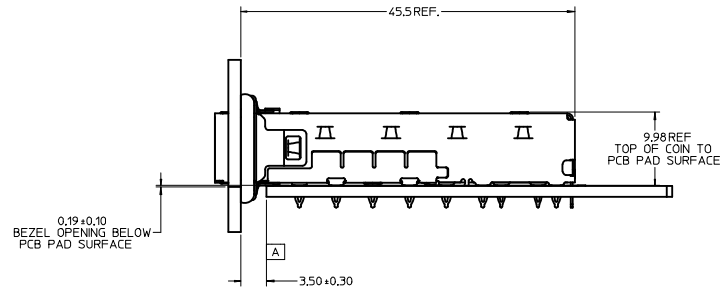
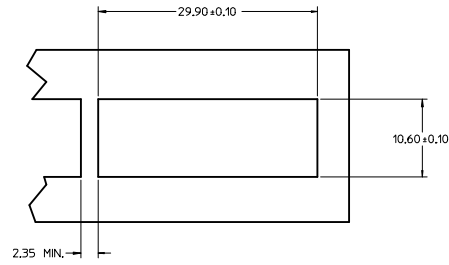


NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

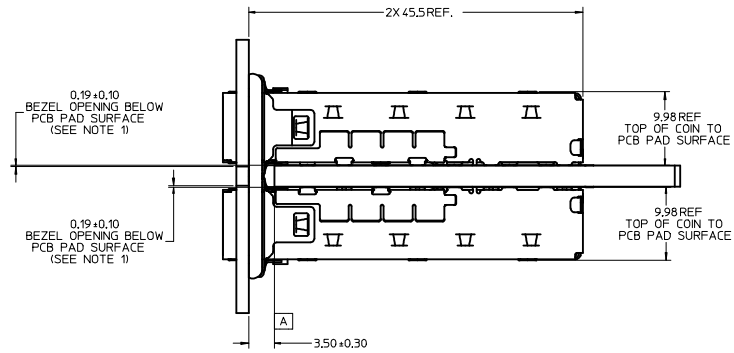
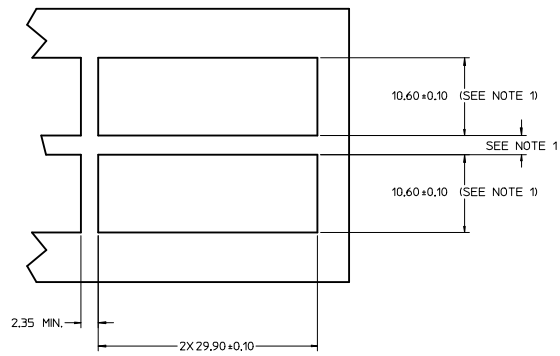
- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE).
 2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
 3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
 4. HOLE PATTERN REPEATS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

SEE REVISION TABLE EC NO: CPG2014-3461 DRAWN BY: CHYORCHEN08 CHECKED BY: APPRCHEN08 DATE: 2014/05/12 DATE: 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$	mm INCH	MM ONLY	1:1	METRIC	\odot \square
	$\nabla=0$	4 PLACES ± --- + --- 3 PLACES ± --- + --- 2 PLACES ± 0.15 + --- 1 PLACE ± 0.25 + --- 0 PLACE ± +	DRAWN BY: PSYTSMA CHECKED BY: RMAHMOOD APPROVED BY: BRUSSELL DATE: 5/14/07 DATE: 5/14/07 DATE: 5/14/07	TITLE	SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET	
	$\nabla=0$	ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO: SEE P/N TABLE	DOCUMENT NO:	SD-74754-0210	
SIZE D			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
			SHEET NO.		3 OF 5	

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING
(GASKET)



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING
(GASKET)



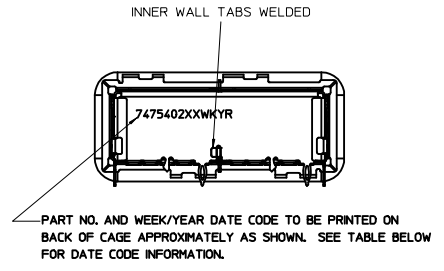
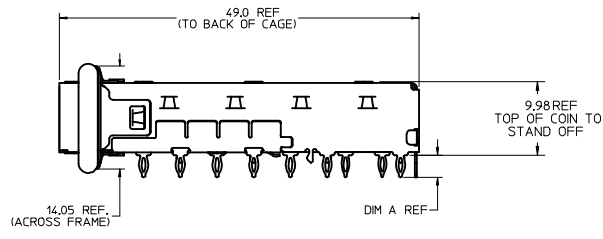
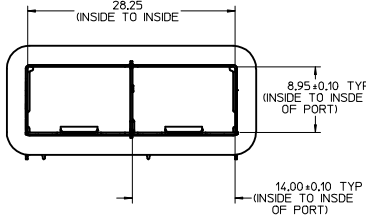
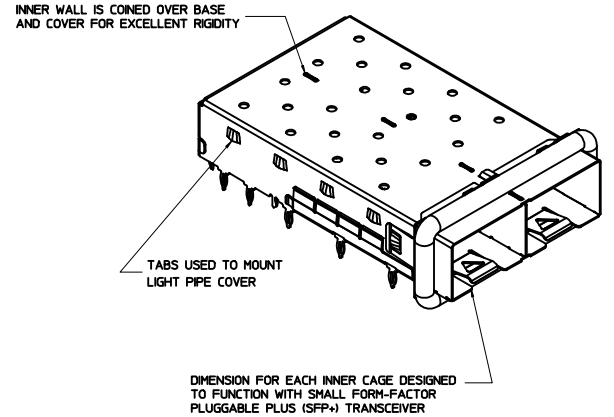
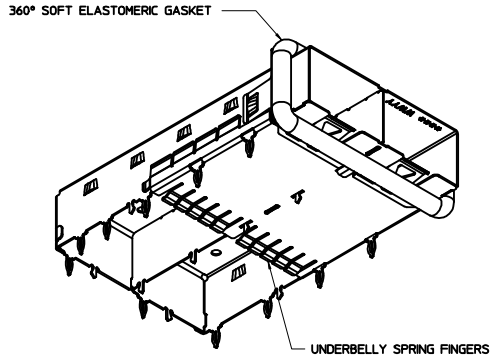
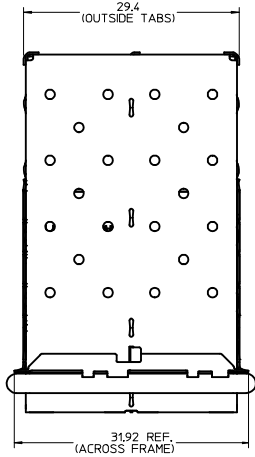
NOTE:
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

SEE REVISION TABLE EC NO: CPG2014-3461 TDRWNLU20 2014/05/12 CHYKORCHEN08 2014/05/12 APPR:RCHEN08 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	3:1	METRIC		
	▽=0	3 PLACES ± 0.15					
	▽=0	2 PLACES ± 0.25					
		ANGULAR ±1/2°					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			DRAWN BY	DATE	TITLE		
			PSYTSMA	5/14/07	SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET		
			CHECKED BY	DATE			
			RMAHMOOD	5/14/07			
			APPROVED BY	DATE			
			BRUSSELL	5/14/07			
			MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
			SEE P/N TABLE	SD-74754-0210	4 OF 5		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

REVISION HISTORY

DATE	REV	DESCRIPTION
05/12/2014	F	1. ADDED P/N 747540229. [SHT 1] 2. ADDED "MM 3D MODEL: EM-74754-0210" ON LEFT TOP CORNER. [SHT 1] 3. NOTE 4 CHANGED AS " NO RoHS EXEMPTIONS ". [SHT 1] 4. ADDED DIM 9.98 @F7. [SHT 1]

SEE REVISION TABLE IEC NO: CPG2014-3461 T DRW:LUZ0 2014/05/12 CHK:RCHEN08 2014/05/12 APPR:RCHEN08 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY		METRIC	☉ □
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± ---	PSYTSMA 5/14/07	SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET		
	▽=0	2 PLACES ± 0.15 ± ---	CHECKED BY DATE	molex		
	1 PLACE ± 0.25 ± ---	RMAHMOOD 5/14/07	DOCUMENT NO. SD-74754-0210			
	0 PLACE ± ±	APPROVED BY DATE	SHEET NO. 5 OF 5			
		BRUSSELL 5/14/07	INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



PART NUMBER	DIM A	MIN. PCB THICKNESS FOR SINGLE SIDED	MIN. PCB THICKNESS FOR BELLY TO BELLY	ELASTOMERIC GASKET FLAMMABILITY RATING
747540210	3.05	1.57	3.00	
747540212	2.28		2.28	
747540229	3.05		3.00	EQUATE TO UL94 V-0

WEEK/YEAR DATE CODE	
WK	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52-LAST WEEK OF YEAR
YR	11, 12, 13, ETC. EXAMPLE: 2013 = 13

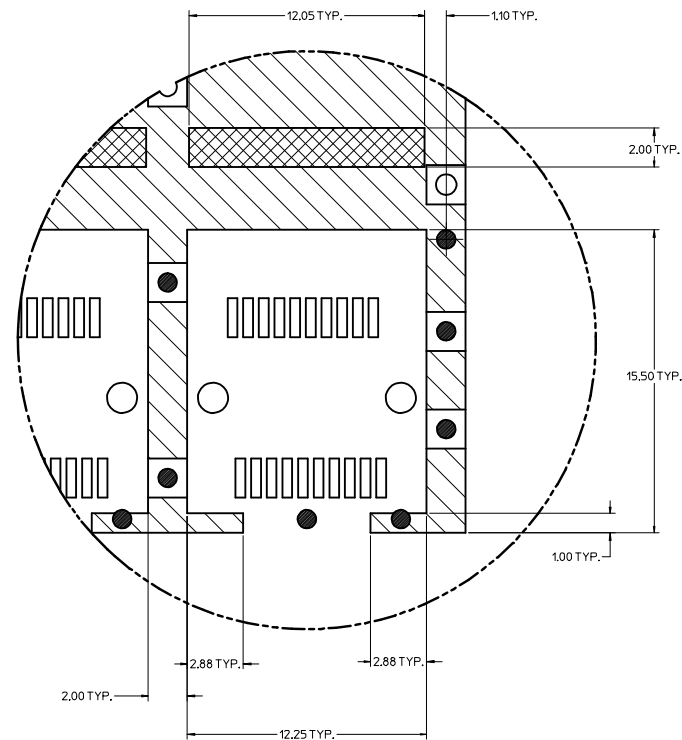
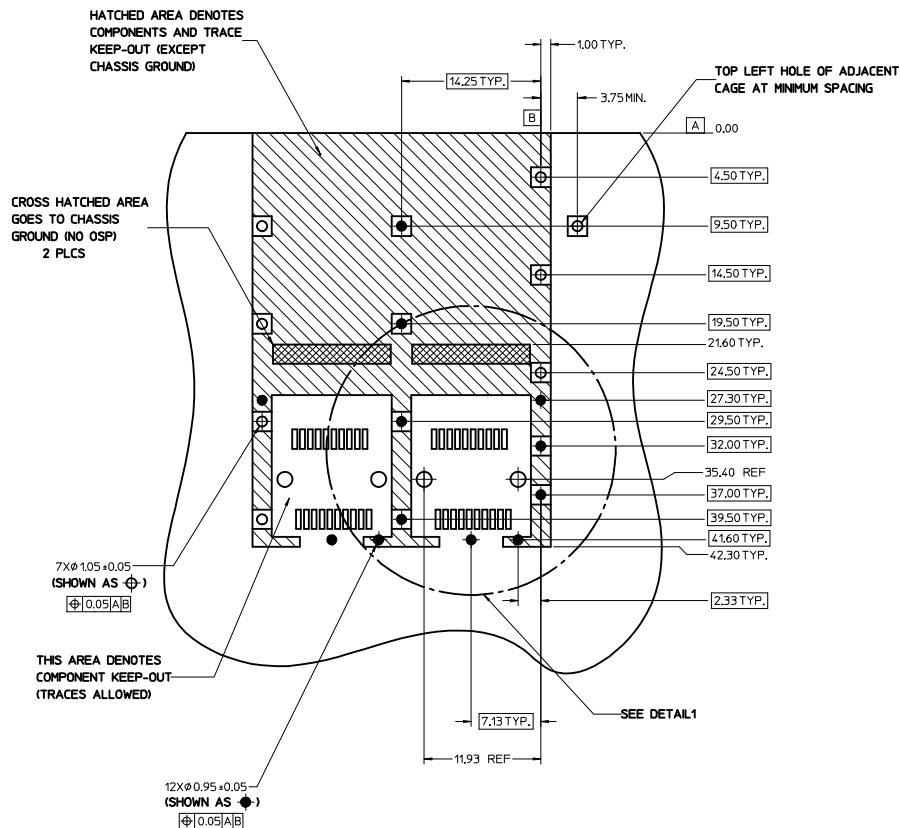
- NOTES:
- MATERIAL:
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm.
EMI GASKET: CONDUCTIVE ELASTOMER O-RING.
 - OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.
 - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.
 - NO RoHS EXEMPTIONS.

SEE REVISION TABLE EC NO: CPG2014-3461 DRAWN BY: CHYKORCHEN08 CHECKED BY: APPR:CHEN08 DATE: 2014/05/12 DATE: 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	3:1	METRIC	
	▽=0	4 PLACES ± --- ± ---				
	▽=0	3 PLACES ± --- ± ---				
		ANGULAR ±1/2°				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE P/N TABLE			
			MATERIAL NO.	DOCUMENT NO.		
				SD-74754-0210		
						SHEET NO. 1 OF 5

SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET

molex

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.

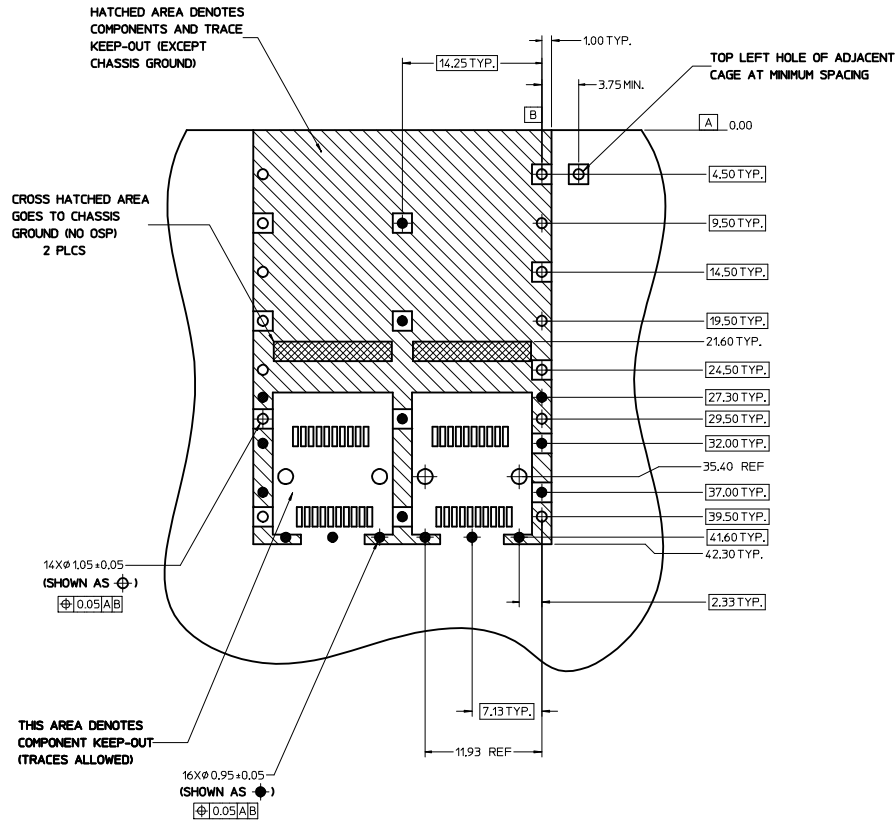
REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1	DRWN:LUZ0 2014/05/12	$\nabla=0$	mm	MM ONLY	1:1	METRIC	
2	CHK:RCHEN08 2014/05/12	$\nabla=0$	INCH	DATE	DATE	DATE	DATE
3	APP:RCHEN08 2014/07/10	$\nabla=0$	4 PLACES	PSYTSMA	5/14/07	5/14/07	5/14/07
			3 PLACES	RMAMMOOD	5/14/07		
			2 PLACES				
			1 PLACE				
			0 PLACE	BRUSSELL	5/14/07		
SEE REVISION TABLE			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.
EC NO: CPG2014-3461			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		SD-74754-0210
TIT: DRWN:LUZ0 2014/05/12			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		SHEET NO.
CHK:RCHEN08 2014/05/12			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D		2 OF 5
APP:RCHEN08 2014/07/10			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		

molex

SD-74754-0210

SHEET NO.
2 OF 5

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



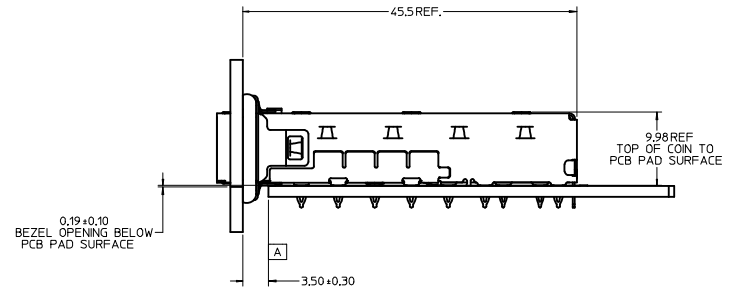
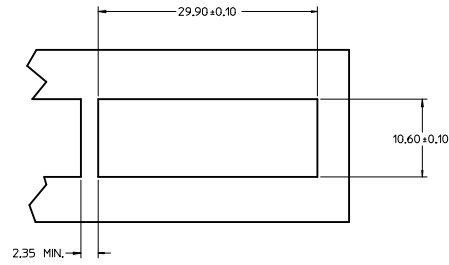
NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

NOTES:

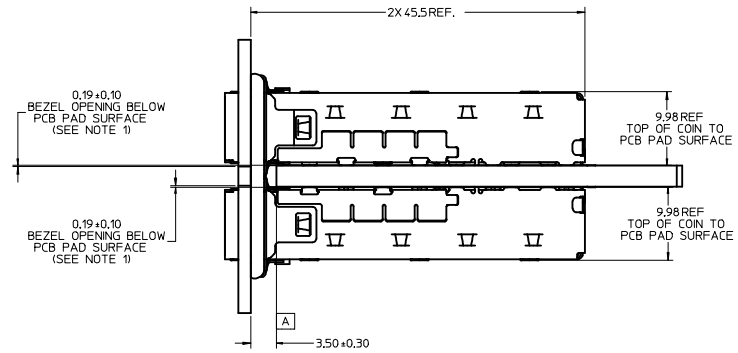
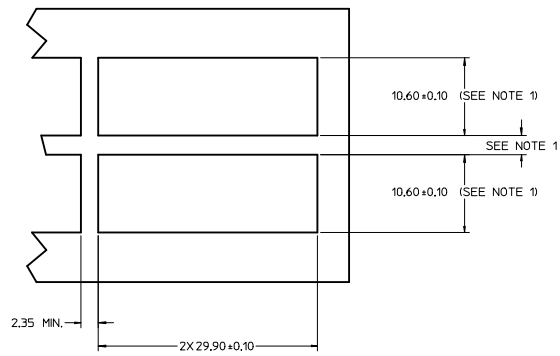
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE).
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH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

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REV	DESCRIPTION	$\nabla=0$	$\nabla=0$	mm	INCH	MM ONLY	INCH	1:1	METRIC	\odot THIRD ANGLE PROJECTION
1	DRWNLU20 2014/05/12	4 PLACES	3 PLACES							
2	CHYORCHEN08 2014/05/12	2 PLACES	2 PLACES							
3	APPRCHEN08 2014/07/10	1 PLACE	0 PLACE							
		ANGULAR $\pm 1/2^\circ$		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		MATERIAL NO. DOCUMENT NO.		SHEET NO.
						SD-74754-0210		SD-74754-0210		3 OF 5
<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>										

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING
(GASKET)



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING
(GASKET)



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

SEE REVISION TABLE EC NO: CPG2014-3461 TDRWNLU20 2014/05/12 CHYKORCHEN08 2014/05/12 APPR:RCHEN08 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	3:1	METRIC	
	▽=0	3 PLACES ± 0.15				
	▽=0	2 PLACES ± 0.25				
		ANGULAR ±1/2°				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			DRAWN BY PSYTSMA DATE 5/14/07			TITLE SFP+ 1X2 CAGE ASSY W/ ELASTOMER GASKET
			CHECKED BY RMAMHOOD DATE 5/14/07			
			APPROVED BY BRUSSELL DATE 5/14/07			
			MATERIAL NO.	DOCUMENT NO.		SHEET NO.
			SEE P/N TABLE	SD-74754-0210		4 OF 5
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

REVISION HISTORY

DATE	REV	DESCRIPTION
05/12/2014	F	1. ADDED P/N 747540229. [SHT 1] 2. ADDED *MM 3D MODEL: EM-74754-0210* ON LEFT TOP CORNER. [SHT 1] 3. NOTE 4 CHANGED AS " NO RoHS EXEMPTIONS ". [SHT 1] 4. ADDED DIM 9.98 @F7. [SHT 1]

SEE REVISION TABLE EC NO: CPG2014-3461 TDRWNLU20 2014/05/12 CHYKORCHEN08 2014/05/12 APPR:RCHEN08 2014/07/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- INCH	MM ONLY	---	METRIC	☉ □
	▽=0	3 PLACES ± --- INCH	mm	---	---	---
	▽=0	2 PLACES ± 0.15 INCH	---	---	---	---
	▽=0	1 PLACE ± 0.25 INCH	---	---	---	---
	▽=0	0 PLACE ± --- INCH	---	---	---	---
		ANGULAR ± 1/2°	---	---	---	---
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			SEE P/N TABLE			

moLEX

MATERIAL NO. _____ DOCUMENT NO. **SD-74754-0210** SHEET NO. 5 OF 5

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