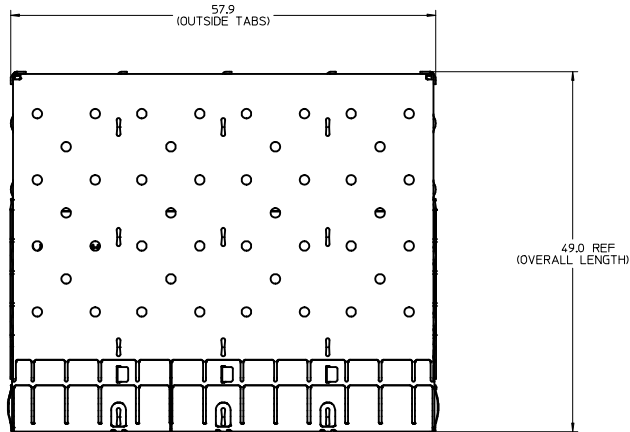


3D MODEL: TM-11112-2420

## BASE CAGE DETAILS

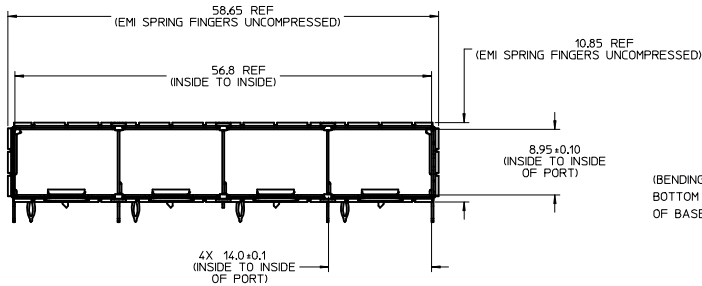
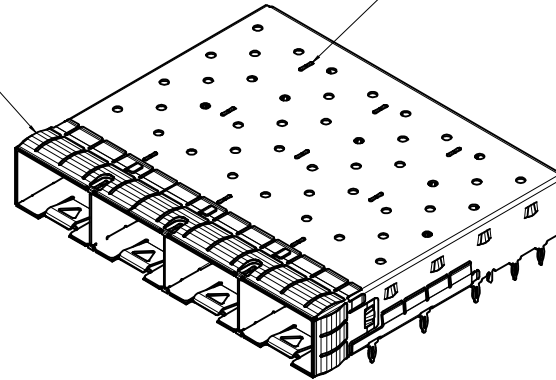
(APPLIES TO ALL CAGES IN THIS DRAWING)

747540420  
SHOWN

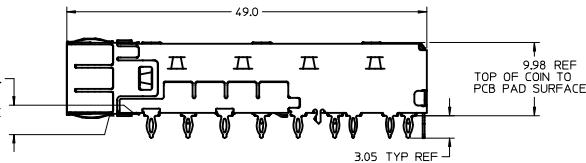


EMI SPRING FINGERS

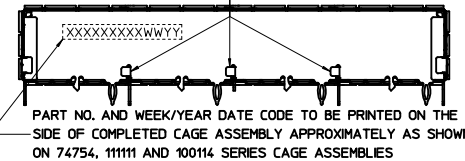
INNER WALLS ARE CONED  
OVER BASE AND COVER FOR  
EXTRA RIGIDITY



0.70MAX.  
(BENDING TAB TO  
BOTTOM SURFACE  
OF BASE.)



INNER WALL TABS WELDED



PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE  
SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN  
ON 74754, 11111 AND 100114 SERIES CAGE ASSEMBLIES

### WEEK/YEAR DATE CODE TABLE

WW	01 THRU 52 OR 53	EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC.	EXAMPLE: YEAR 2013 = 13

### NOTES:

#### 1. MATERIAL:

CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.  
SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.  
HEATSINK: ALUMINUM, NICKEL PLATED.  
HEATSINK SPRING CLIP: STAINLESS STEEL.

#### 2. PRESS FIT LEGS 3.05mm [.120 INCH] LONG:


#### 3. PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.

THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS) AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.

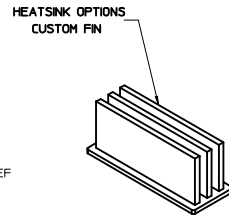
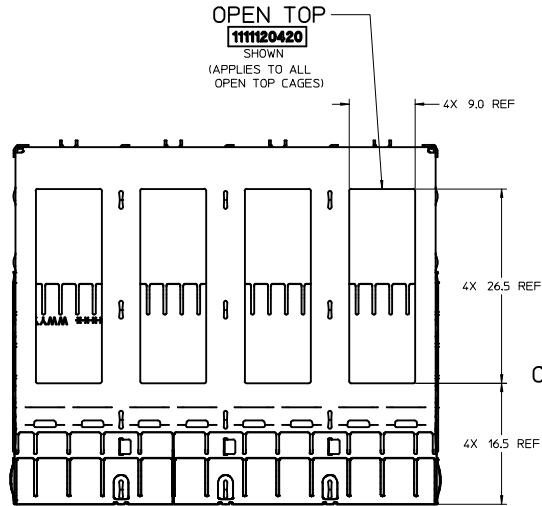
#### 4. WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.

#### 5. NO ROHS EXEMPTIONS.

#### 6. CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

SEE REVISION TABLE EC NO.: EPG2016-2974 DRAWN: CHENG03 CHKD: J APPR: CHEN08 REV	QUALITY SYMBOLS  ▽=0  ▽=0  ▽=0	DESCRIPTION  2016/02/02  2016/02/02	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
							TITLE		
							SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS		
							<b>molex</b>		
							SD-11112-2420		
							SHEET NO. 1 OF 10		

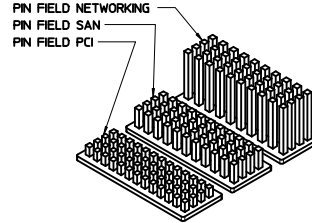
# CAGE ASSEMBLY OPTIONS



OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
CUSTOM	23.6

## HEATSINK OPTIONS

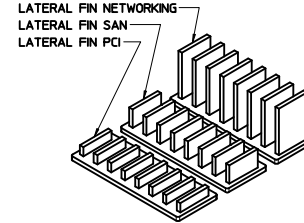


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

NOTE: PCI - 13 ROWS  
SAN - 11 ROWS  
NETWORKING - 10 ROWS

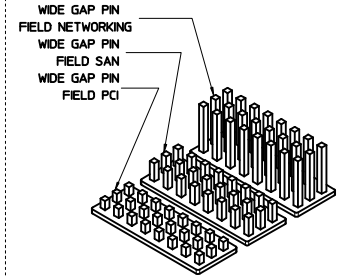
## HEATSINK OPTIONS



OVERALL HEATSINK HEIGHT

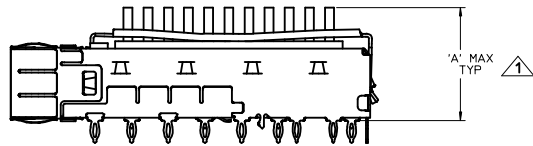
APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

## HEATSINK OPTIONS

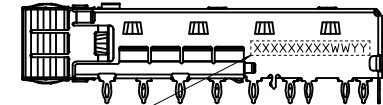
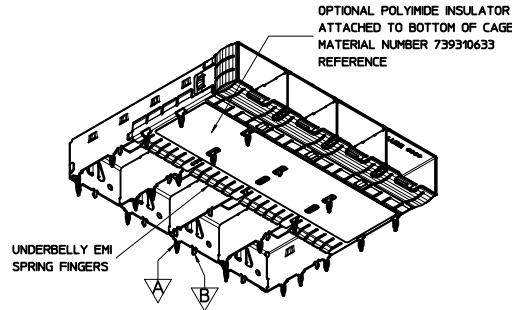


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6



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

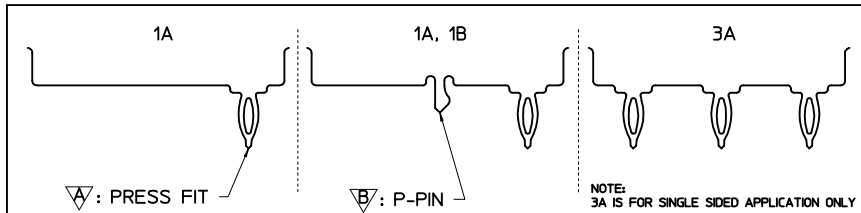


PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE  
SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN  
FOR 11112 SERIES CAGE ASSEMBLIES.

WEEK/YEAR DATE CODE TABLE

WW	YY	EXAMPLE
01 THRU 52 OR 53	11, 12, 13 ETC.	01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR 11, 12, 13 ETC. YEAR 2013 = 13

## REAR LEG OPTIONS (PER PORT)



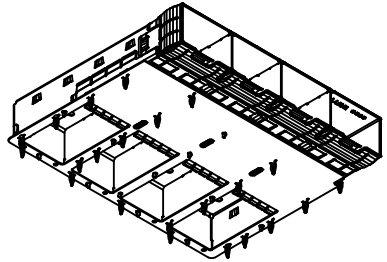
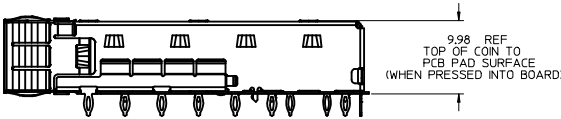
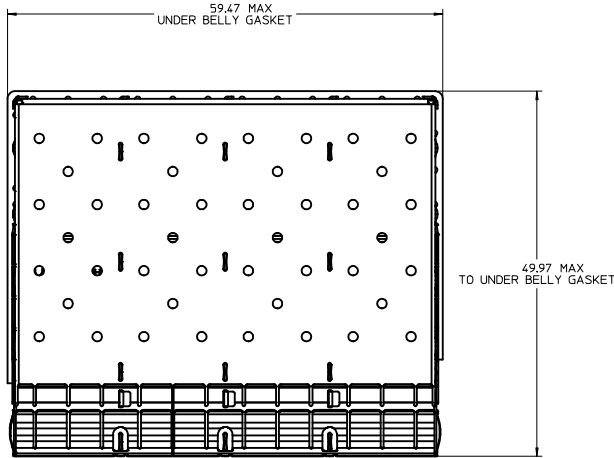
SEE REVISION TABLE EC NO: EPG2016-2974 DRWN: CHENG03 CHKD: J APPR: CHEN08 REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .005</td><td>± .0004</td></tr><tr><td>3 PLACES</td><td>± .005</td><td>± .0004</td></tr><tr><td>2 PLACES</td><td>± .015</td><td>± .0006</td></tr><tr><td>1 PLACE</td><td>± .025</td><td>± .0010</td></tr><tr><td>0 PLACE</td><td>± .050</td><td>± .0020</td></tr></table> ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	± .005	± .0004	3 PLACES	± .005	± .0004	2 PLACES	± .015	± .0006	1 PLACE	± .025	± .0010	0 PLACE	± .050	± .0020	DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					mm	INCH																				
				4 PLACES	± .005	± .0004																				
				3 PLACES	± .005	± .0004																				
				2 PLACES	± .015	± .0006																				
				1 PLACE	± .025	± .0010																				
				0 PLACE	± .050	± .0020																				
				DRAWN BY RMILLINSKI		DATE 2011/06/20		TITLE SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS																		
				CHECKED BY MMCKERVEY		DATE 2011/08/26		<b>molex</b> DOCUMENT NO. SD-11112-2420 SHEET NO. 2 OF 10																		
				APPROVED BY KLLOYD		DATE 2012/08/14																				
MATERIAL NO.		DOCUMENT NO.																								
SEE SHEET 4																										
SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

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

OPTIONAL GEN 2 UNDER BELLY GASKET

1001140420

SHOWN



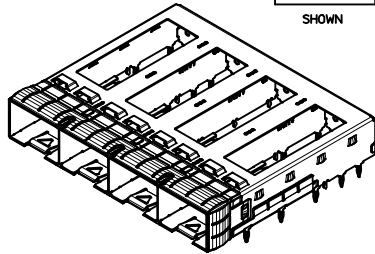
- NOTES:
- 1. OPTIONAL UNDER BELLY GASKET ATTACHED TO BOTTOM OF CAGE (SEE P/N TABLES FOR AVAILABLE ASSEMBLIES).
  - 2. GEN 2 UNDER BELLY GASKET IS UL94 V-0 RATED.

SEE REVISION TABLE EC NO. CPG2016-2974 DRAWN: CHENG03 CHKD: J APPR: CHEN08 REV DESCRIPTION DATE	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0		mm		INCH		DRAWN BY RM IKLINSKI		DATE 2011/06/20	TITLE  SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI HEAT FINGERS  <b>molex</b>  DOCUMENT NO. SD-111112-2420	SHEET NO. 3 OF 10
	▽=0		4 PLACES ± --- ± ---				CHECKED BY MMCKERVEY		DATE 2011/08/26		
	▽=0		2 PLACES ± 0.15 ± ---				APPROVED BY		DATE		
			1 PLACE ± 0.25 ± ---				KLLOYD		2012/08/14		
			0 PLACE ± ±								
			ANGULAR ± 1 °				MATERIAL NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET 4						
	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

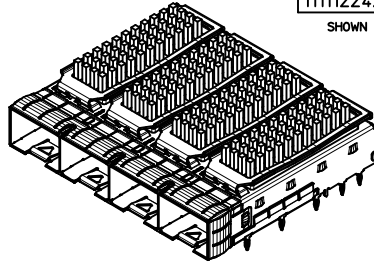
# PART NUMBER SELECTION

1111120420  
SHOWN



SFP+ OPEN TOP BASE CAGE FOR HEATSINK		
PART NO.	POLYIMIDE INSULATOR	# OF REAR LEGS PER PORT
1111120420	---	1A, 1B
1111120460	YES	1A, 1B

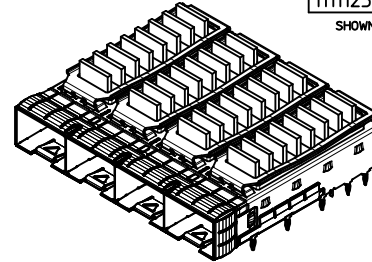
1111122420  
SHOWN



SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111121420	---	PCI	1A, 1B
1111121460	YES	PCI	1A, 1B
1111122420	---	SAN	1A, 1B
1111122460	YES	SAN	1A, 1B
1111123420	---	NET	1A, 1B
1111123460	YES	NET	1A, 1B

NOTE: PCI - 13 ROWS  
SAN - 11 ROWS  
NET - 10 ROWS

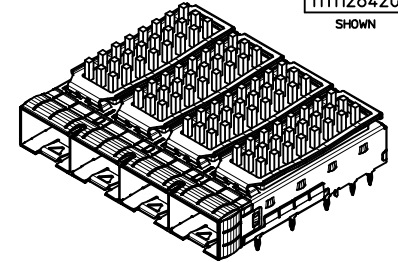
1111125420  
SHOWN



SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111124420	---	PCI	1A, 1B
1111124460	YES	PCI	1A, 1B
1111125420	---	SAN	1A, 1B
1111125421	---	SAN(*)	1A, 1B
1111125460	YES	SAN	1A, 1B
1111126420	---	NET	1A, 1B
1111126460	YES	NET	1A, 1B

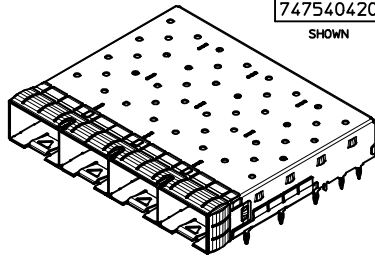
NOTE: (\*) FOR LOW COST

1111128420  
SHOWN



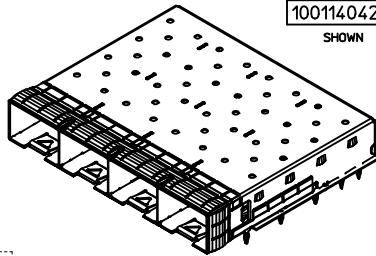
SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111127420	---	PCI	1A, 1B
1111127460	YES	PCI	1A, 1B
1111128420	---	SAN	1A, 1B
1111128460	YES	SAN	1A, 1B
1111129420	---	NET	1A, 1B
1111129460	YES	NET	1A, 1B

747540420  
SHOWN



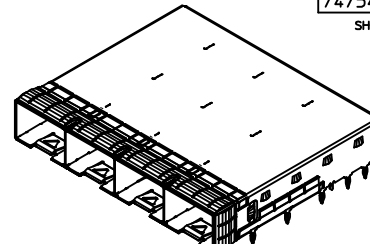
SFP+ CLOSED TOP BASE CAGE				
PART NO.	POLYIMIDE INSULATOR	WELD POINT QUANTITY	# OF REAR LEGS PER PORT	PLATING
747540420	---	6	1A, 1B	----
747540422	---	6	3A	----
747540423	---	19	1A, 1B	----
747540427	YES	6 (15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)	1A, 1B	----
747540464	---	6	1A, 1B	OVER ALL: MAT TIN PLATED 2.0MM MIN.

1001140420  
SHOWN



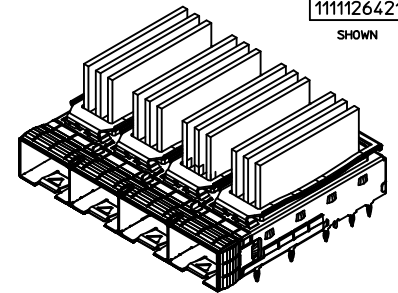
zSFP+ CLOSED TOP BASE CAGE W/ GEN 2 BELLY GASKET	
PART NO.	# OF REAR LEGS PER PORT
1001140420	1A, 1B

747540426  
SHOWN



SFP+ CLOSED TOP BASE CAGE			
PART NO.	WELD POINT QUANTITY	# OF REAR LEGS PER PORT	PLATING
747540426	6 (15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)	1A, 1B	OVER ALL: MAT TIN PLATED 2.0MM MIN.

1111126421  
SHOWN



SFP+ CUSTOM FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111126421	---	CUSTOM	1A, 1B

SEE REVISION TABLE EC NO.: CPG2016-2974 DRAWN: CHENG03 CHKD: J APPR: CHEN08 REV: 2016/02/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)  mmINCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			DRAWN BY DATE		TITLE		
			RMILKINSKI 2011/06/20		SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS		
			CHECKED BY DATE		molex		
			MMCKERVEY 2011/08/26				
APPROVED BY DATE		DOCUMENT NO.		SHEET NO.			
KLLOYD 2012/08/14		SD-11112-2420		4 OF 10			
ANGULAR ± 1 °		MATERIAL NO.		SIZE			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE					
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

# PCB LAYOUT FOR SINGLE SIDE MOUNT

HATCHED AREA DENOTES COMPONENTS AND TRACE KEEP-OUT (EXCEPT CHASSIS GROUND)

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 4 PLCS

14X  $\phi 1.05 \pm 0.05$  (SHOWN AS  $\phi 0.1AB$ )

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

20X  $\phi 0.95 \pm 0.05$  (SHOWN AS  $\phi 0.1AB$ )

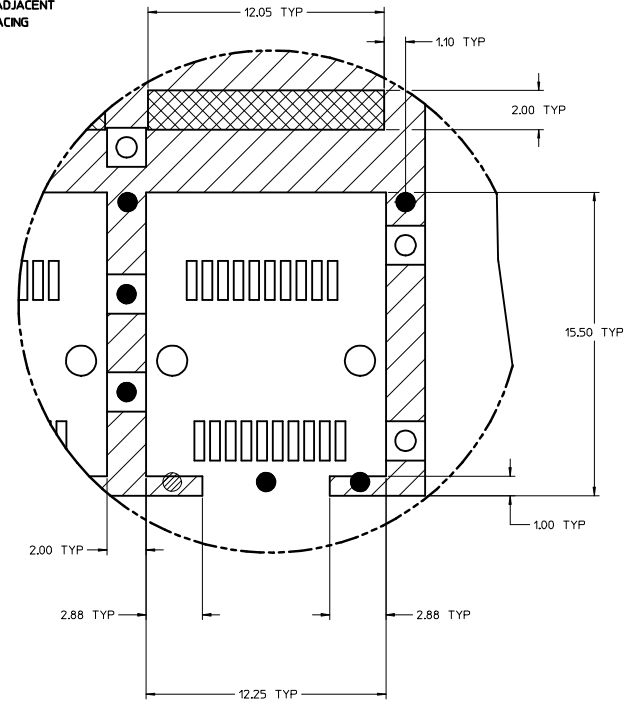
4X  $\phi 0.95 \pm 0.05$  (SHOWN AS  $\phi 0.1AB$ )  
(OPTIONAL HOLES FOR CAGES WITH 3 REAR LEGS PER PORT)

1.00 TYP  
14.25 TYP  
2.50 MIN  
TOP LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING

0.00  
4.5 TYP  
9.5 TYP  
14.5 TYP  
19.5 TYP  
21.60 TYP  
24.5 TYP  
27.3 TYP  
29.5 TYP  
32.0 TYP  
35.4 TYP  
37.0 TYP  
39.5 TYP  
42.30 TYP  
4.6 TYP

SEE DETAIL 1

## HOST CONNECTOR DETAIL



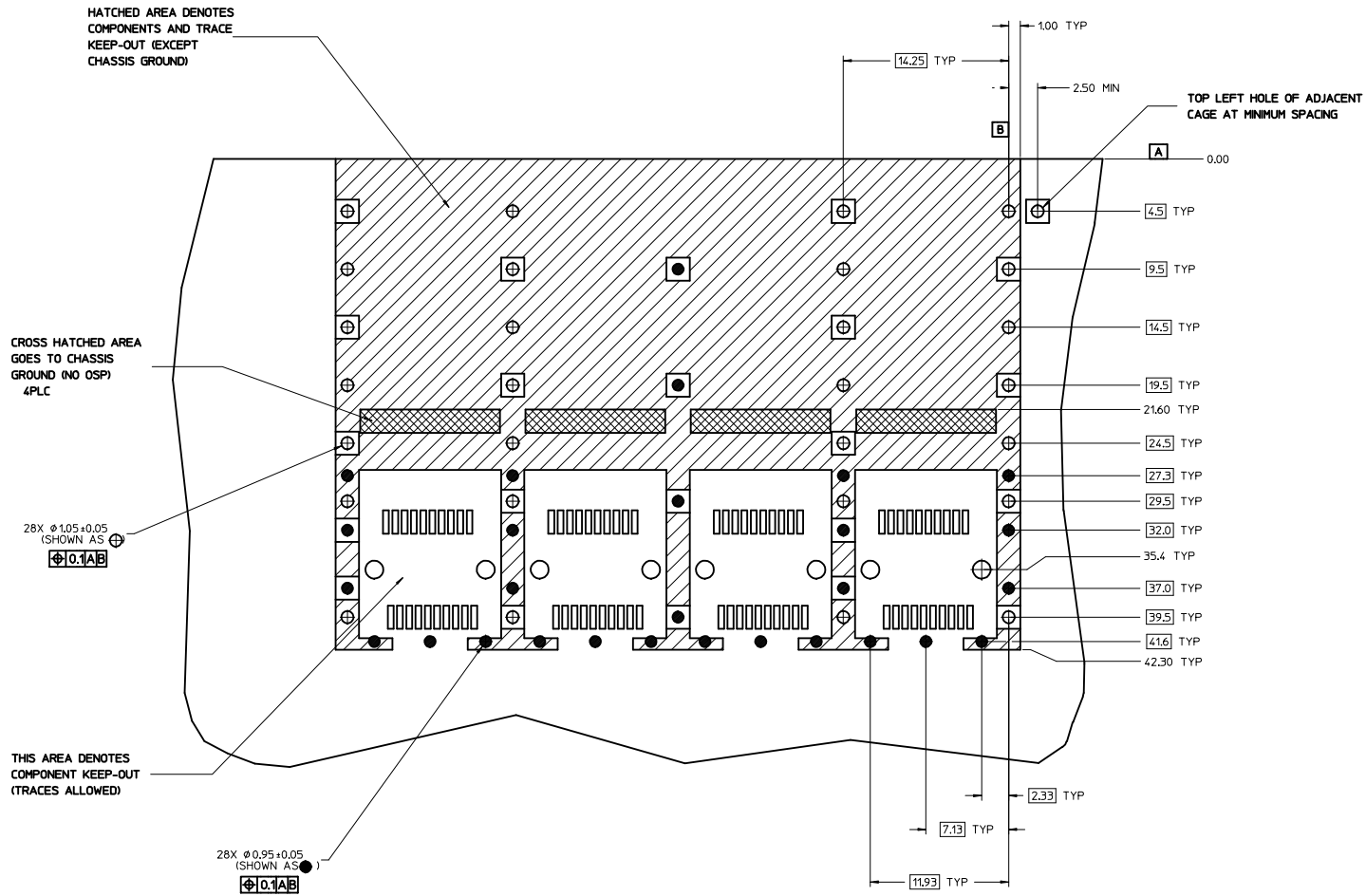
DETAIL 1  
SCALE 8:1

### NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED 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
5. MINIMUM PCB THICKNESS FOR SINGLE SIDED USE 157mm [0.062"]

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH	MM ONLY	DATE			
1	4 PLACES ±	▽=0	±	---	DATE	2011/06/20	5:1	METRIC	SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS <b>molex</b> DOCUMENT NO. SD-11112-2420 SHEET NO. 5 OF 10
2	3 PLACES ±	▽=0	±	---	CHECKED BY	2011/08/26			
3	2 PLACES ±	▽=0	±	---	APPROVED BY	DATE			
4	1 PLACE ±	▽=0	±	---	KLOYD	2012/08/14			
5	0 PLACE ±		±	---					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 1 °		MATERIAL NO.		SEE SHEET 4		
					DATE		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



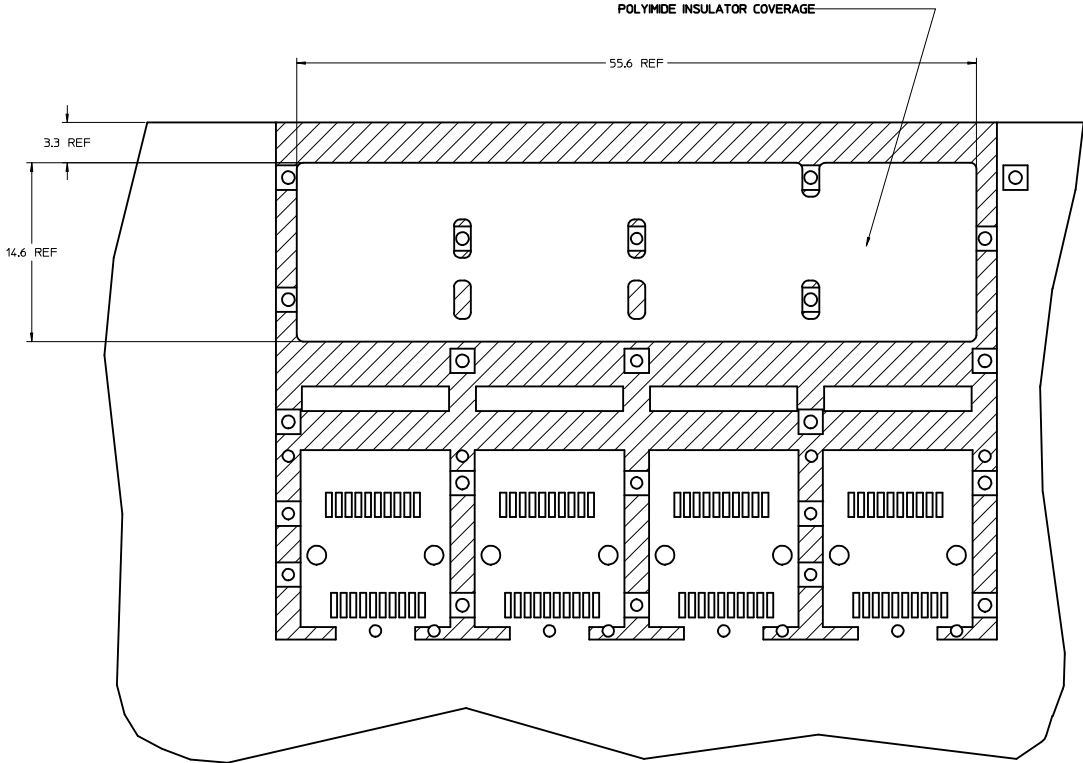
NOTE:  
SEE SHEET 5 FOR HOST  
CONNECTOR DETAIL


NOTES:

1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED 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
5. MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE 3.00mm [0.118"].

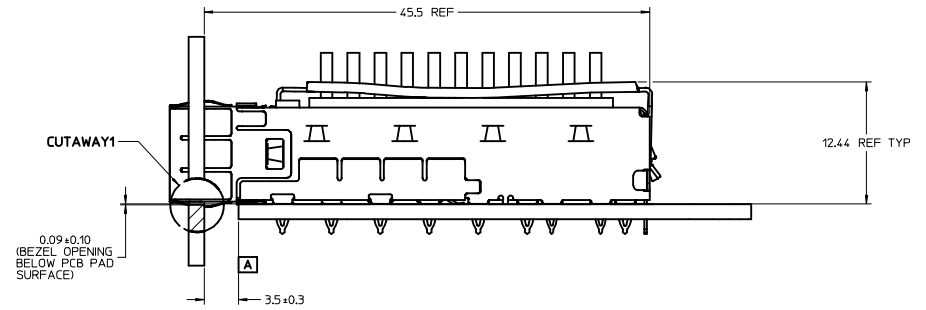
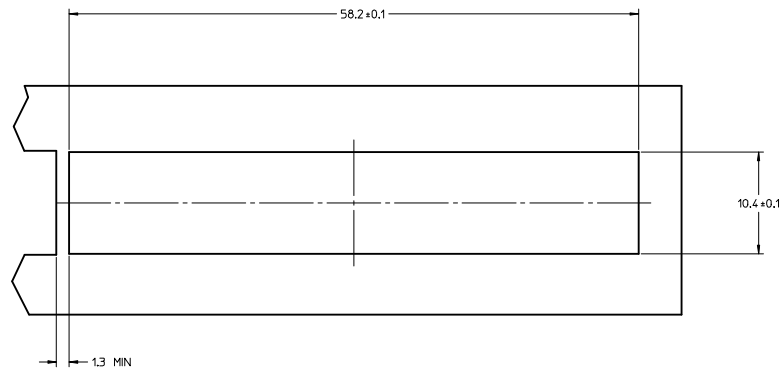
[SEE REVISION TABLE EC NO: CP52016-2974 DRAWN: CHENG03 CHKD: APPR: RCHEN08 2016/02/02 2016/02/04]	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY RM1IKINSKI	DATE 2011/06/20	TITLE SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS		
			▽=0	4 PLACES	±	±	CHECKED BY MMCKERVEY	DATE 2011/08/26	molex SD-11112-2420	
			▽=0	3 PLACES	±	±				
			▽=0	2 PLACES	±	±				
			▽=0	1 PLACE	±	±	APPROVED BY KLLOYD	DATE 2012/08/14		
			▽=0	0 PLACE	±	±				
			ANGULAR ± 1°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 4		SD-11112-2420		6 OF 10	
			SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

POLYIMIDE INSULATOR COVERAGE AREA  
(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)

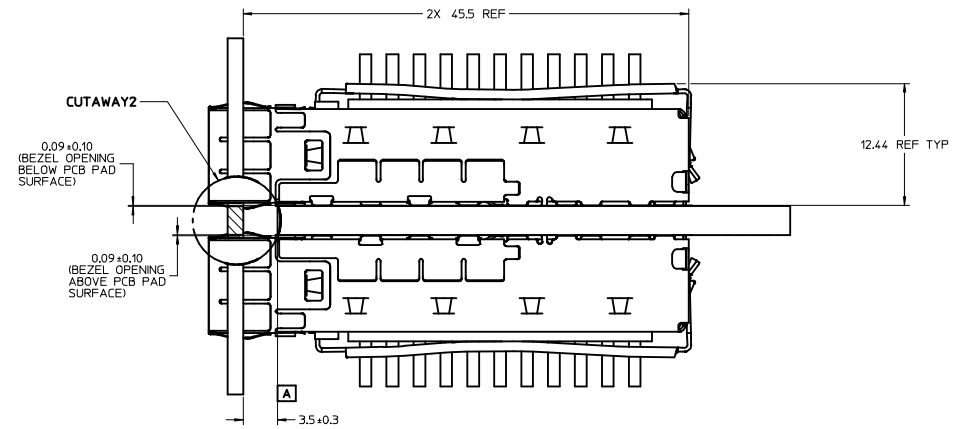
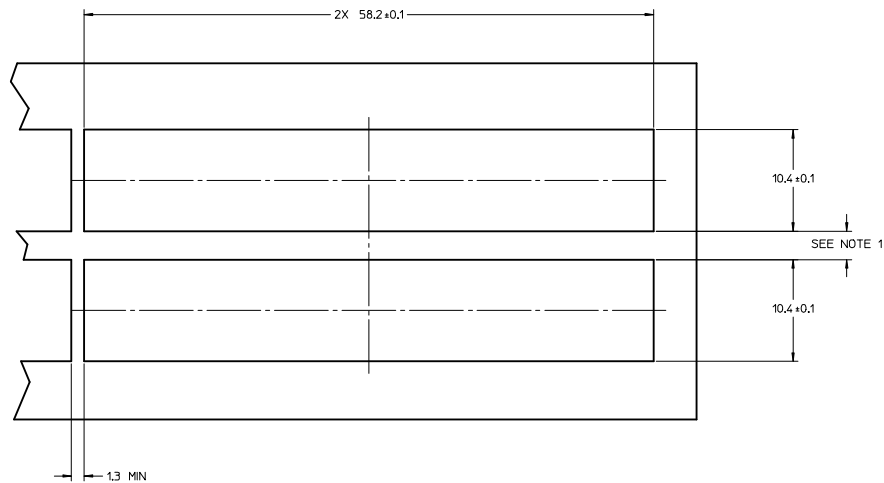


SEE REVISION TABLE EC NO. CPG2016-2974 J CHYO: APPROV: CHEN08	DESCRIPTION 2016/02/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
			DRAWN BY RMIKLINSKI			DATE 2011/06/20				TITLE SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS  <b>molex</b>  SD-111112-2420		
			CHECKED BY MMCKERVEY			DATE 2011/08/26						
			APPROVED BY KLLOYD			DATE 2012/08/14						
			MATERIAL NO.			DOCUMENT NO.						
			ANGULAR ± 1 °			SEE SHEET 4				SHEET NO. 7 OF 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						


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



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



NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.  
2. CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB.

SEE REVISION TABLE EC NO: CPG2016-2974 DRAWN BY: CHYD APPROVED BY: 2016/02/02	DESCRIPTION 2016/02/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					MM ONLY				
					DATE				
					TITLE				
					SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS				
					molex				
					DOCUMENT NO.				
					SD-11112-2420				
					SHEET NO.				
					8 OF 10				



DATE	REV	DESCRIPTION
2011/06/21	1	INITIAL RELEASE
2011/06/29	A	UPDATED THE CAGE TOP TO INCLUDE HOLES FOR LIGHTPIPES.
2012/03/20	B	REVISED NOTES, HANGED HEATSINK HEIGHT FROM 8.63 TO 6.5, TABULARIZED PCI, SAN, AND NETWORKING, ADDED HEATSINK HEIGHT WITH MODULE INSERTED [SHT1]. MOVED EXPLODED VIEW TO SHT2. CHANGED OTHER SHEET NUMBER ACCORDINGLY. REMOVED NOTE 6 AND MOVED TO SHEET 2.
2012/07/31	C	HIDE HEATSINK CLIP FROM TOP VIEW, CHANGED DIM 49.0 TO 49.3 AND ADDED 'SEE TABLE ON SHEET 2' TO ANNOTATION ON VIEW BOTTOM 3, ADDED MODEL NOTATION IN TOP CORNER ON SHEET 1, ADDED KAPTON TAPE MODEL TO EXPLODED VIEW ON SHEET 2, EXPANDED P/N TABLE ON SHEET 2 TO INCLUDE HEAT SINK DIMS AND KAPTON TAPE OPTIONS, REMOVED DIM 'B' FROM SHEET 2, REWORDED ANNOTATIONS FOR CORRECT ORIENTATION ON SHEET 5.
2012/08/31	D	REMOVED HEATSINKS AND CLIPS FROM ALL VIEWS ON SHEET 1, SEPERATED HEATSINKS TO SEPERATE VIEWS ON SHEET 2 AND REMOVED P/N FROM TABLES, ADDED NEW SHEET 3 WITH VIEWS AND P/N TABLES FOR NO HEATSINK, AND PINFIELD OR LATERAL FIN HEATSINKS, MOVED DIM '0.23 TYP' ON SHEET 6. ADDED ISO VIEWS AND PART NUMBER TABLES FOR WIDE GAP HEATSINKS TO SHEET 2 AND SHEET 3. ADDED TOP VIEWS OF SINGLE AND BELLY TO BELLY PCB TO SHEET SIX TO SHOW POLYIMIDE COVERAGE AND DIMENSIONS.
2013/02/20	E	1. CHANGED BASE CAGE VIEWS ON SHEET 1 FROM 111112-0432 TO 747540420. ADDED TYP TO DIMENSION 3.05 REF ON SIDE VIEW. MOVED DIMENSIONS '10.85 REF' TO F14, '14.0 ±0.1' TO D17, '56.75 REF' TO F17, '58.65 REF' TO G17. ADDED DIMENSION '9.98 REF' ØE7. CHANGED DIMENSION 49.03 TO 49.0 Ø J14. ADDED BACK VIEW, ØE3. REMOVED BELLY ISO VIEW AND ROTATED TOP ISO VIEW & MOVED TO J7. MOVED PCB MIN THICKNESS FROM NOTE 2 TO RESPECTIVE PCB LAYOUT SHEETS. REMOVED INSERTION FORCE FROM NOTE 2. ADDED APPLICATION NOTE ØH10. UPDATED P/N DATE CODE PRINTING CALLOUT ON SIDE VIEW. UPDATED 3D MODEL P/N ØM20. ADDED EMI SPRING FINGERS NOTE ØH8. (SHEET 1) 2. MOVED POLYIMIDE BELLY ISO VIEW TO E9 AND ADDED REAR LEG & UNDER BELLY SPRING FINGER IDENTIFIERS. ADDED UNDERBELLY GASKET ISO VIEW ØE3. ADDED TOP VIEW, Ø J17. REMOVED CAGES FROM HEATSINK VIEWS. ADDED REAR LEG OPTIONS, ØB16. ADDED TITLE FOR TABLES THAT READS OVERALL HEATSINK HEIGHT. ADDED POLYIMIDE INSULATOR & # OF REAR LEGS PER PORT COLUMNS TO TABLES. (SHEET 2) 3. ADDED PN'S 747500420, -0422, -0423 & 1111110420 AND UPDATED TABLES, ADDING ISO VIEWS ØF18 & F13. ADDED P/N NOTE FOR EACH CAGE SHOWN. (SHEET 3) 4. ADDED NOTE 5, (SHEET 4 & 5). REMOVED UNNECESSARY CAGE TO PCB CONTACT PADS FROM BELLY TO BELLY LAYOUT. ADDED TYP TO ALL DIMENSIONS (SHEET 4 & 5). ADDED DIAMETER DIMENSION 0.95±0.05 X4 WITH NOTES 'SHOWN AS...' (SHEET 4). FIXED BOX TO NOT INCLUDE TYP. ADDED HOLES ØE17, ØE15, ØE13, & E11 (SHEET 4). REMOVED PAD ØF13 (SHEET 5). 5. REMOVED BELLY TO BELLY VIEW AND CENTERED & INCREASED SCALE OF SINGLE SIDED VIEW. (SHEET 6) 6. REMOVED 'SEE NOTE 1' FROM DIMENSION '10.4 ±0.1', ØE12 & D12. ADDED 'SEE NOTE 1' BEZEL OPENING PITCH, ØE12. ADDED CENTER LINES TO BEZEL OPENINGS. REMOVED CUTAWAY 7 & 8 FROM SIDE VIEWS. RENAMED CUTAWAY2 TO 1 AND 4 TO 2. REMOVED 'SIZE, AND' FROM NOTE 1. ADDED DIMENSION 12.44 REF TYP TO BOTH SIDE VIEWS. REMOVED DIMENSION 9.98 TYP ØE4 & J4. (SHEET 7)
2013/09/06	F	ADDED PN'S 747540426. (SHEET 3)
2013/10/14	G	1. CHANGED THE WORD 'WILL' TO 'MAY' ON NOTE 4. MOVED DATE CODE FROM SIDE OF CAGE TO BACK OF CAGE, ADDED NOTE AT E5 TO LIST THE SERIES NUMBERS THAT WILL HAVE THE DATE CODE INTHIS LOCATION. ADDED 0.70 MAX(BENDING TAB TO BOTTOM SURFACE OF BASE) AT E13. (SHEET 1) 2. REMOVED zSFP+ CAGE VIEW FROM SHEET AT E5, ADDED SIDE VIEW OF CAGE TO SHOW WHERE THE DATE CODE WILL BE ON ALL 111112 SERIES CAGES. (SHEET 2) 3. ADDED NEW SHEET 3 WITH GEN 1 AND GEN 2 zSFP+ OPTIONS. THE PREVIOUS SHEETS FROM SHEET 3 TO SHEET 8 ALL INCREASE BY 1 NUMBER. 4. ADDED P/N 747540427 TO TABLE AT D20 AND ADDED ISO VIEW AND TABLE FOR 1001140420 AT E3 ON SHEET 4.

SEE REVISION TABLE EC NO. CPG2016-2974 DRAWN: CHENG03 CHKD: J APPR: RCHEN08 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 RM IKLINSKI	DATE 2011/06/20	TITLE SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS		
				CHECKED BY MMCKERVEY	DATE 2011/08/26			
				APPROVED BY KLLOYD	DATE 2012/08/14	DOCUMENT NO. SD-11112-2420		
		ANGULAR ± 1 °		MATERIAL NO. SEE SHEET 4		SHEET NO. 9 OF 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								

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

DATE	REV	DESCRIPTION
2014/09/24	H	1. ADDED 74754-0426 PLATING SPEC. [SHEET 4] 2. ADDED P/N 74754-0464. [SHEET 4]
2015/08/26	I	1. SHEET 3 : ADDED NOTE 2 2. SHEET 2: J13 : ADDED NEW VERTICAL FIN HEATSINK ISOVIEW 3. SHEET 4: H10 : ADDED (*) FOR LOW COST IN NOTE 4. SHEET 4: I10 : ADDED PART NO. 111112-5421 ON P/N TABLE 5. SHEET 5: K18 : ADDED PART NO. 111112-6421 ISOVIEW 6. SHEET 6: G20 : CHANGED $\phi 1.05+/-0.05$ X14 TO $\phi 14$ X $1.05+/-0.05$ 7. SHEET 6: D19 : CHANGED $\phi 0.95+/-0.05$ X20 TO $\phi 20$ X $0.95+/-0.05$ 8. SHEET 6: D14 : CHANGED $\phi 0.95+/-0.05$ X4 TO $\phi 4$ X $0.95+/-0.05$ 9. SHEET 7: G18 : CHANGED $\phi 1.05+/-0.05$ X28 TO $\phi 28$ X $1.05+/-0.05$ 10. SHEET 7: C16 : CHANGED $\phi 0.95+/-0.05$ X28 TO $\phi 28$ X $0.95+/-0.05$ 11. SHEET 9: ADDED NOTE 2 MODIFIED PCB LAYOUT PER SFF-8433 12. SHEET 6: G20 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 C19 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 C14 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 13. SHEET 7 : F18 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1 C16 : CHANGED TURE POSITION OF PCB HOLES FORM 0.05 TO 0.1
2016/02/02	J	1. SHEET 3 & 4: REMOVE 1111110420

SEE REVISION TABLE EC NO. CPG2016-2974 DRAWN: CHENG03 CHKD: APPR: CHEN08 REV	QUALITY SYMBOLS  ▽=0  ▽=0  ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			MM ONLY			METRIC		
					DRAWN BY	DATE		TITLE
					RM KLINSKI	2011/06/20		SFP+ 1X4 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS
					CHECKED BY	DATE		
					MMCKERVEY	2011/08/26		
					APPROVED BY	DATE		
					KLLOYD	2012/08/14		
					MATERIAL NO.	DOCUMENT NO.		
					SEE SHEET 4	SD-11112-2420		
ANGULAR ± 1 °						SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						10 OF 10		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

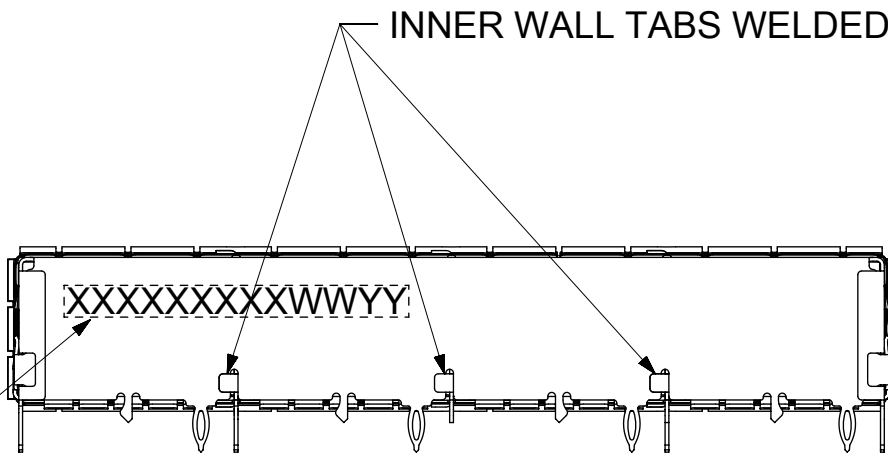
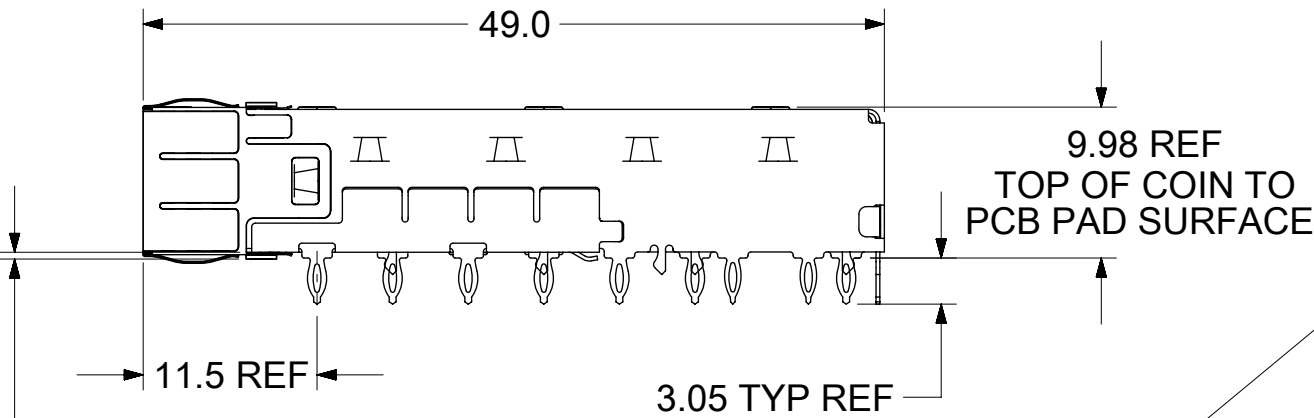
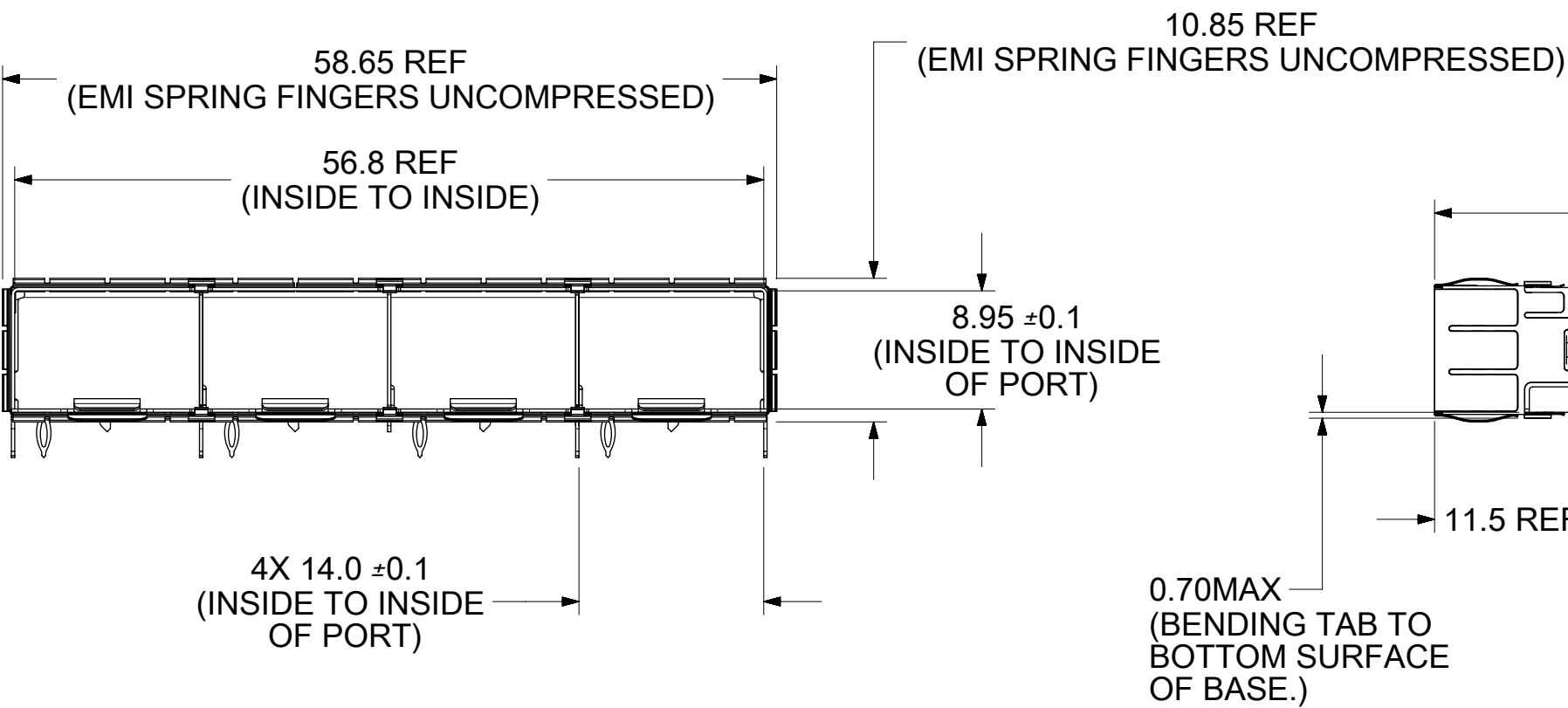
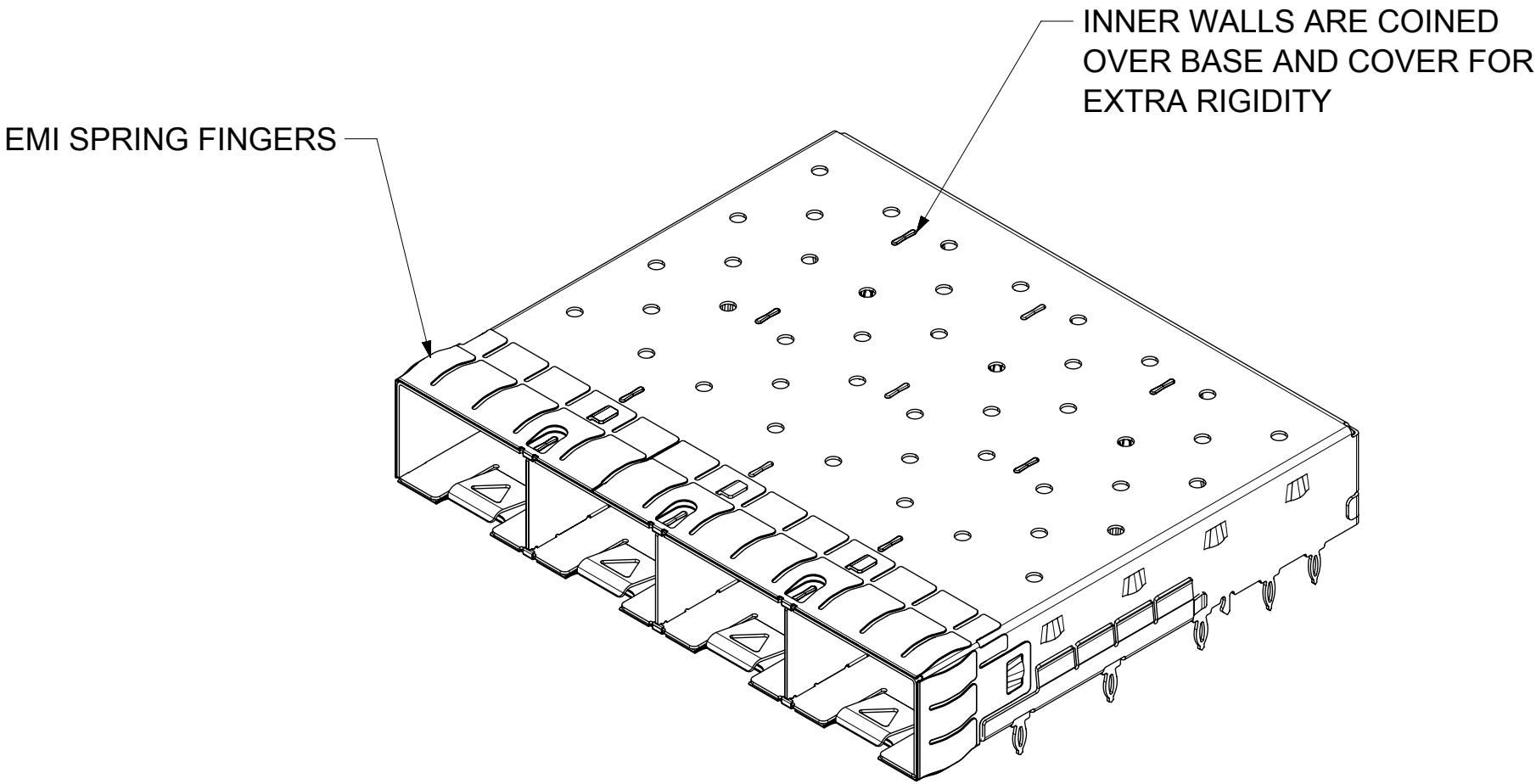
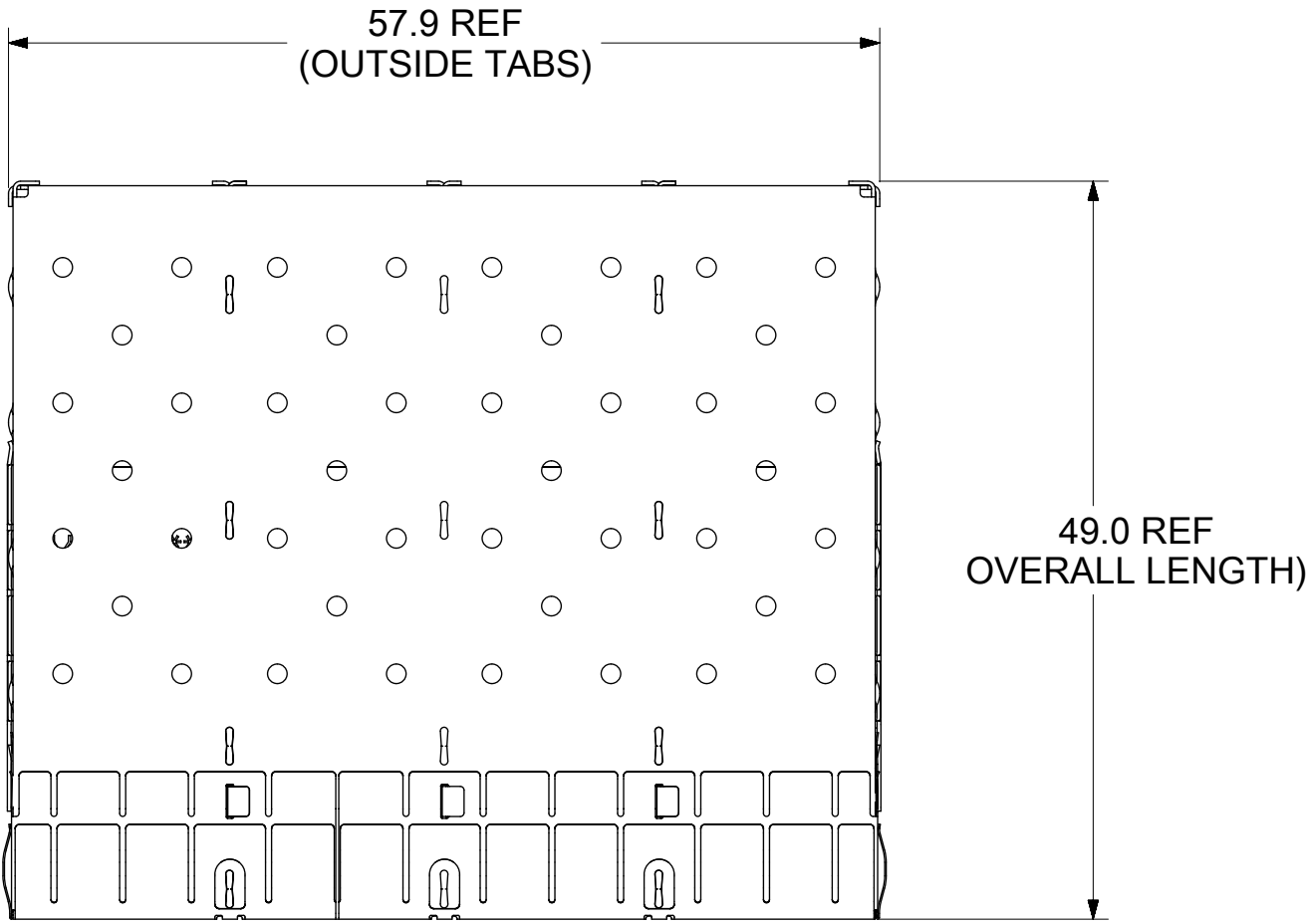
19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BASE CAGE DETAILS

(APPLIES TO ALL CAGES IN THIS DRAWING)

747540420

SHOWN



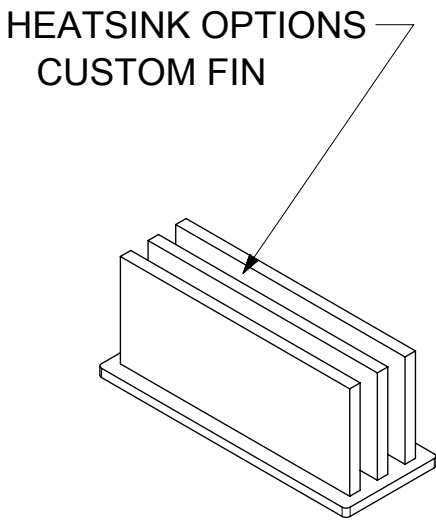
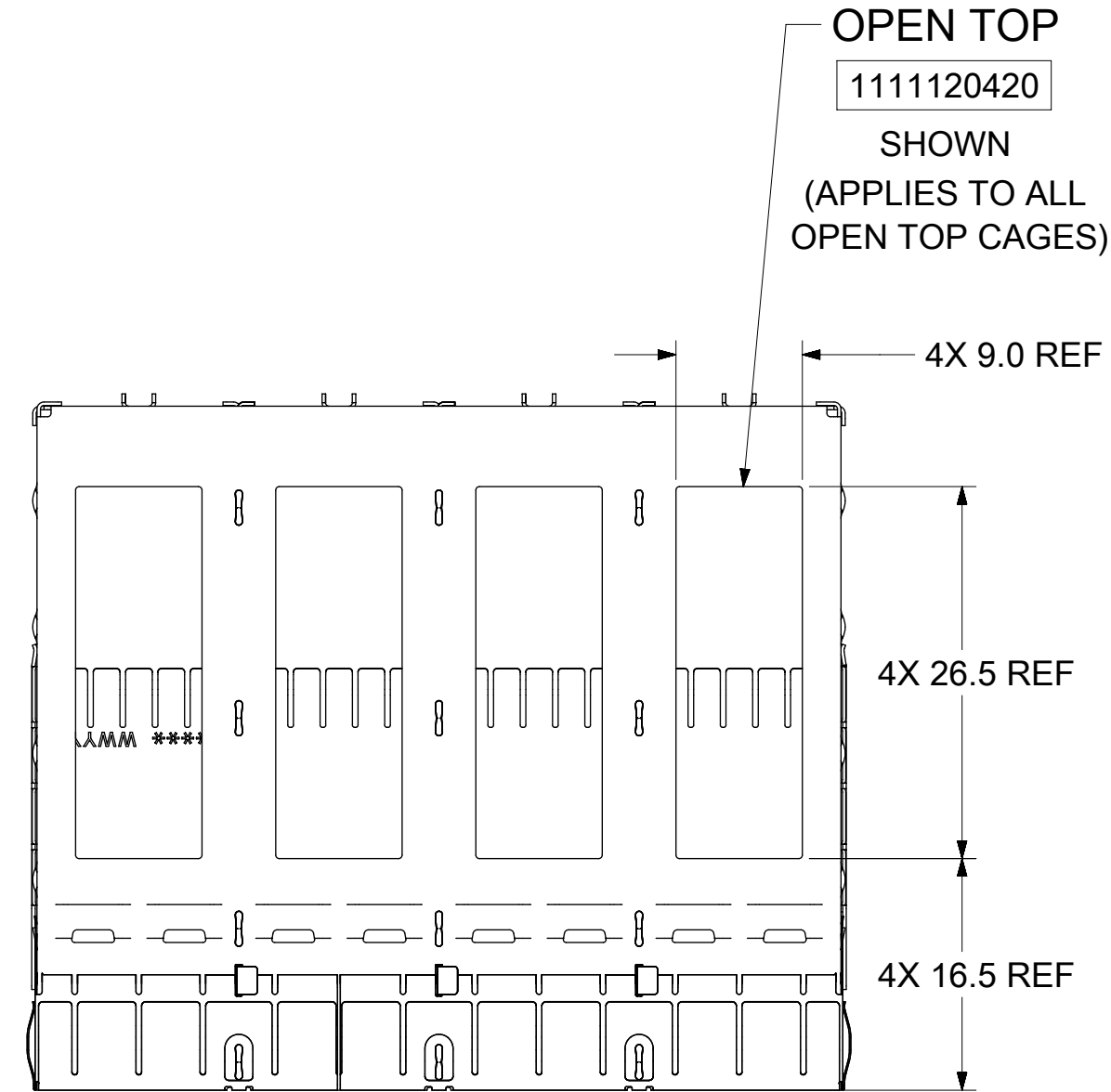
PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN ON 74754 AND 111111 SERIES CAGE ASSEMBLIES

- NOTES:
- MATERIAL:  
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.  
SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.  
HEATSINK: ALUMINUM, NICKEL PLATED.  
HEATSINK SPRING CLIP: STAINLESS STEEL.
  - PRESS FIT LEGS 3.05mm LONG:
  - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.  
THE TOP SURFACE OF THE MODULE MUST BE FLAT (NO PRODUCT LABEL RECESS)  
AND THERMALLY CONDUCTIVE TO FUNCTION OPTIMALLY.
  - WELD SPOT MAY SHOW SLIGHT MATERIAL DISCOLORATION.
  - NO RoHS EXEMPTIONS.
  - CUSTOM HEATSINKS AVAILABLE UPON REQUEST.

WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	16, 17, 18 ETC. EXAMPLE: YEAR 2016 = 16

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
SEE REVISION TABLE	EC NO: 107116 DRWN: VK10 CHKD: DSUN15 REV APPR: RCHEN08	2016/06/02 2016/07/30 2016/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		<div>molex</div>			
					MM		2:1					
					DRWN BY		DATE					
			ANGULAR TOL ± 1.0 °		VK10		2016/06/02		SFP+ 1X4 SF CAGE 3.05 MM PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS			
			4 PLACES ±		CHKD BY		DATE					
			3 PLACES ±		DSUN15		2016/07/30					
			2 PLACES ± 0.15		APPR BY		DATE		PRODUCT CUSTOMER DRAWING			
			1 PLACE ± 0.25		RCHEN08		2016/08/03					
			0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C							
L		REV	1		1111122420		PSD		ASY		1 OF 8	

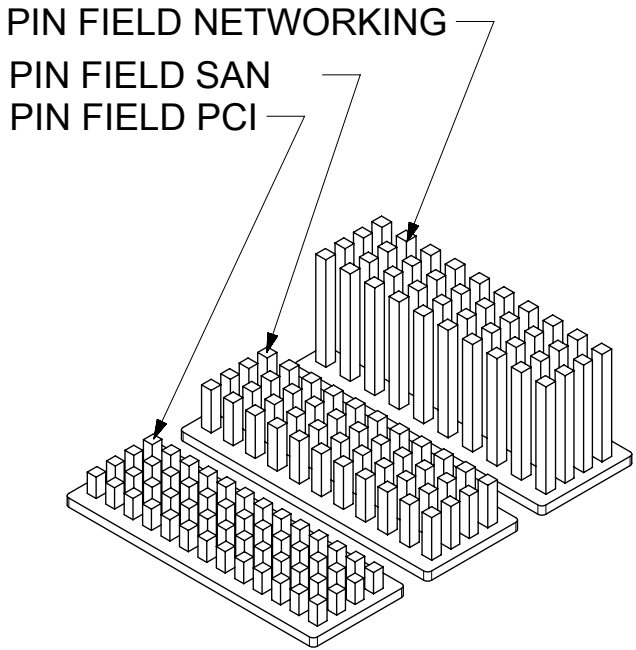
CAGE ASSEMBLY OPTIONS



OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
CUSTOM	23.6

HEATSINK OPTIONS

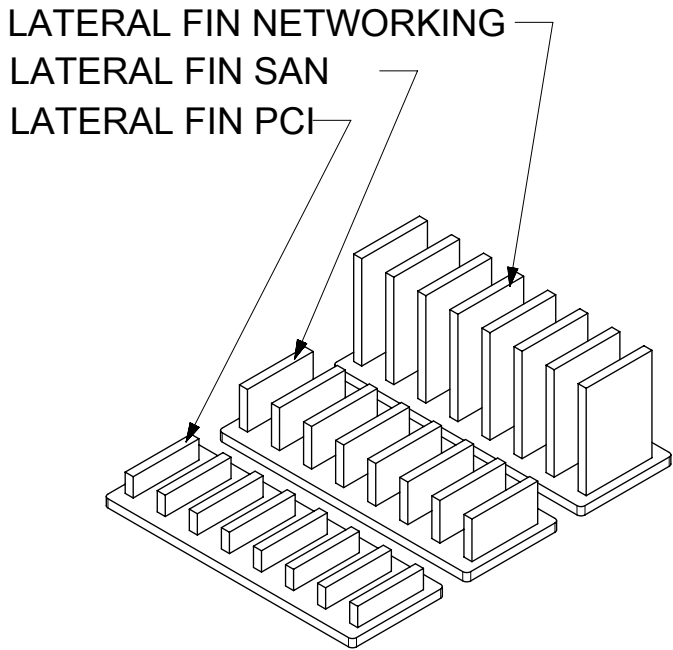


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

NOTE: PCI-13ROWS  
SAN-11ROWS  
NETWORKING-10ROWS

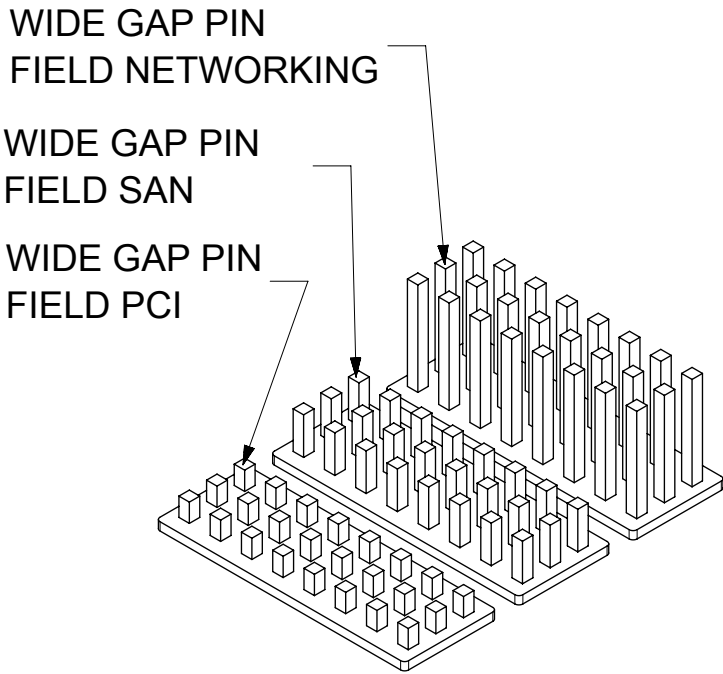
HEATSINK OPTIONS



OVERALL HEATSINK HEIGHT

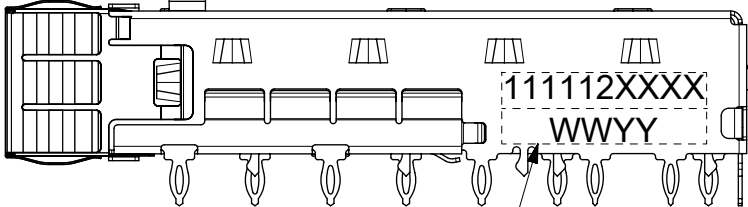
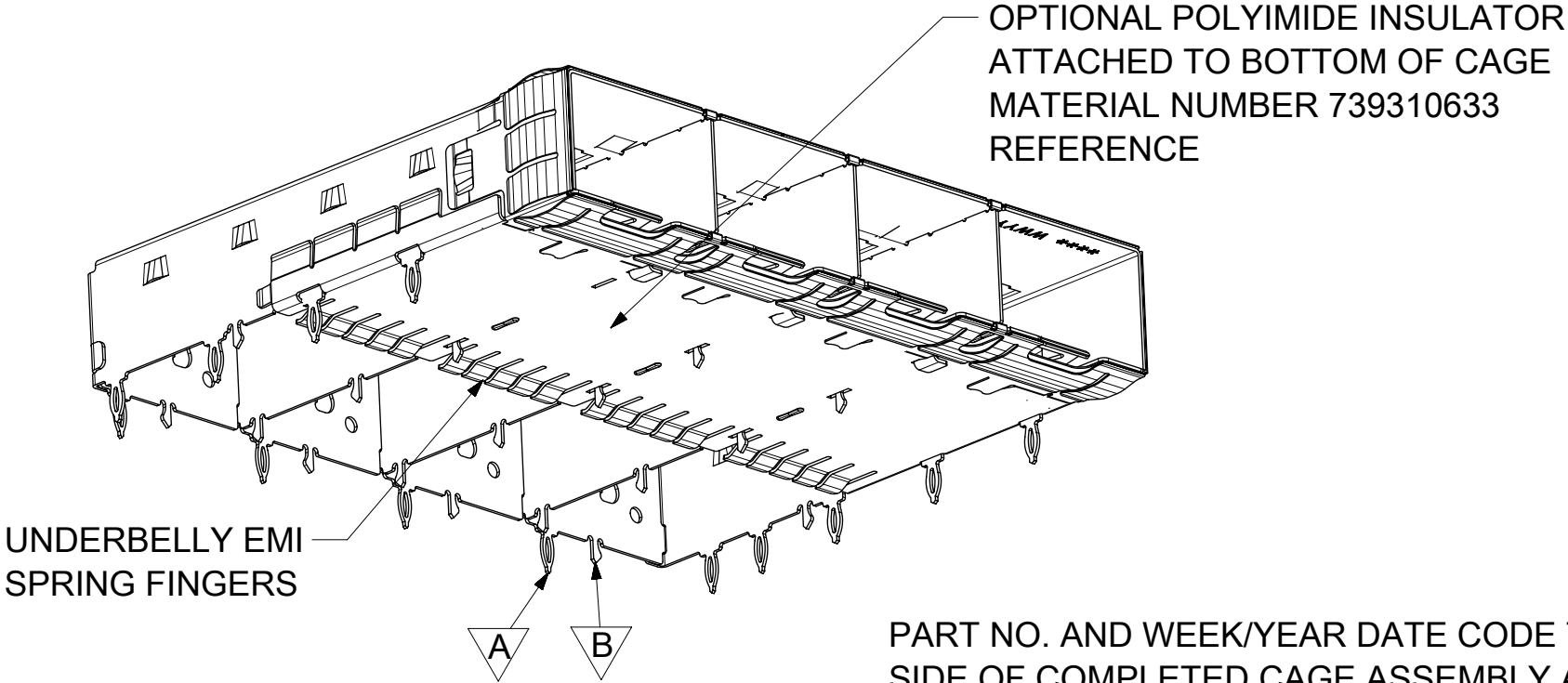
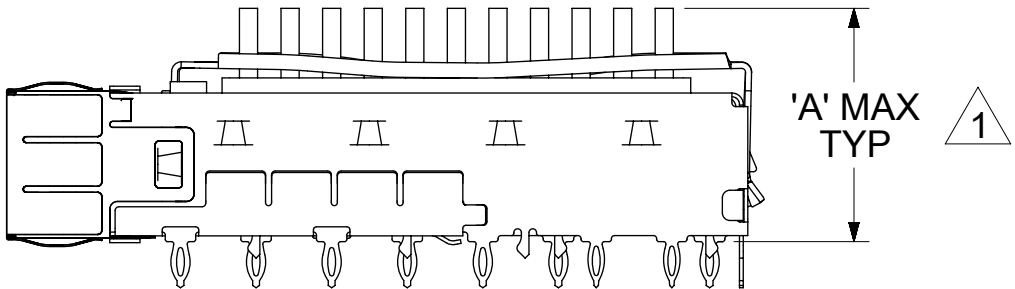
APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

HEATSINK OPTIONS



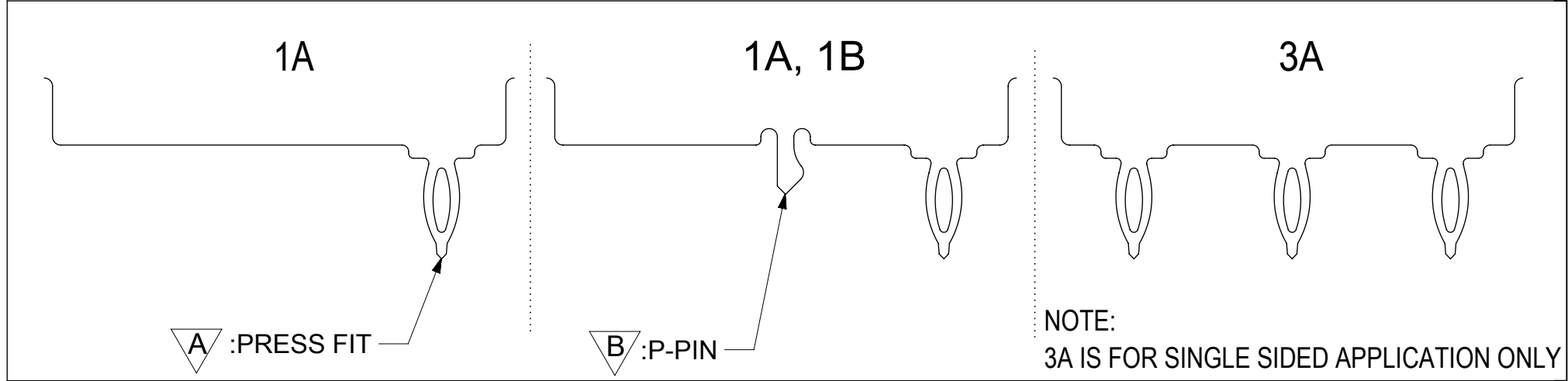
OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

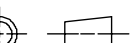


NOTES:  
1 HEIGHT OF HEATSINK WITH MODULE INSERTED.  
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

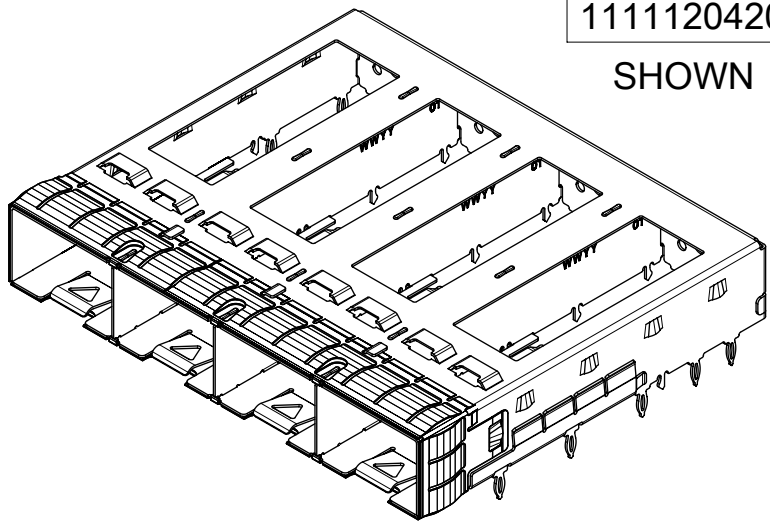
REAR LEG OPTIONS  
(PER PORT)



	WEEK/YEAR DATE CODE TABLE
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	16, 17, 18 ETC. EXAMPLE: YEAR 2016 = 16

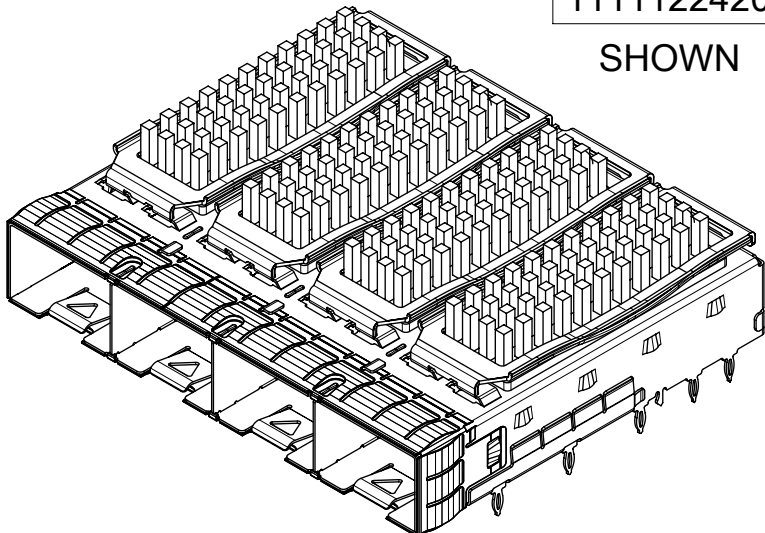
QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
<div><div>▽ = 0</div><div>▽ = 0</div><div>▽ = 0</div><div>▼ = 0</div><div>▽ = 0</div><div>☒ = 0</div><div>■ = 0</div><div>▽ = 0</div></div>	SEE REVISION TABLE	2016/06/02 2016/07/30 2016/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		<div><div>molex®</div><div>SFP+ 1X4 SF CAGE 3.05 MM PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS</div></div>					
				MM		2:1							
				ANGULAR TOL ± 1.0 °		DRWN BY		DATE		PRODUCT CUSTOMER DRAWING			
				4 PLACES ±		VK10		2016/06/02					
				3 PLACES ±		CHK'D BY		DATE		SERIES MATERIAL NUMBER CUSTOMER			
				2 PLACES ± 0.15		DSUN15		2016/07/30					
				1 PLACE ± 0.25		APPR BY		DATE		111112 SEE SHEET 3 GENERAL MARKET			
				0 PLACES ±		RCHEN08		2016/08/03					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		DOCUMENT NUMBER 1111122420 DOC TYPE PSD DOC PART ASY SHEET NUMBER 2 OF 8			
						C							

PART NUMBER SELECTION



1111120420  
SHOWN

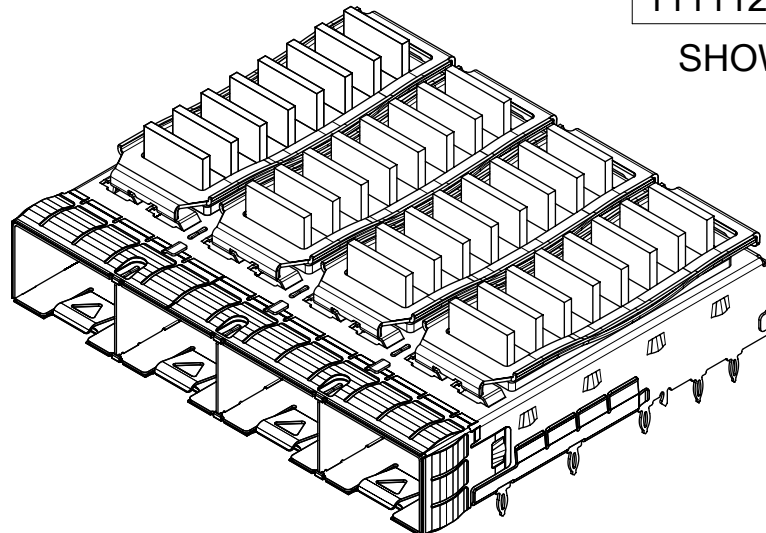
SFP+ OPEN TOP BASE CAGE FOR HEATSINK		
PART NO.	POLYIMIDE INSULATOR	# OF REAR LEGS PER PORT
1111120420	---	1A, 1B
1111120460	YES	1A, 1B
1111120494	---	1A, 1B



1111122420  
SHOWN

SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEAT SINK	# OF REAR LEGS PER PORT
1111121420	---	PCI	1A, 1B
1111121460	YES	PCI	1A, 1B
1111122420	---	SAN	1A, 1B
1111122460	YES	SAN	1A, 1B
1111123420	---	NET	1A, 1B
1111123460	YES	NET	1A, 1B

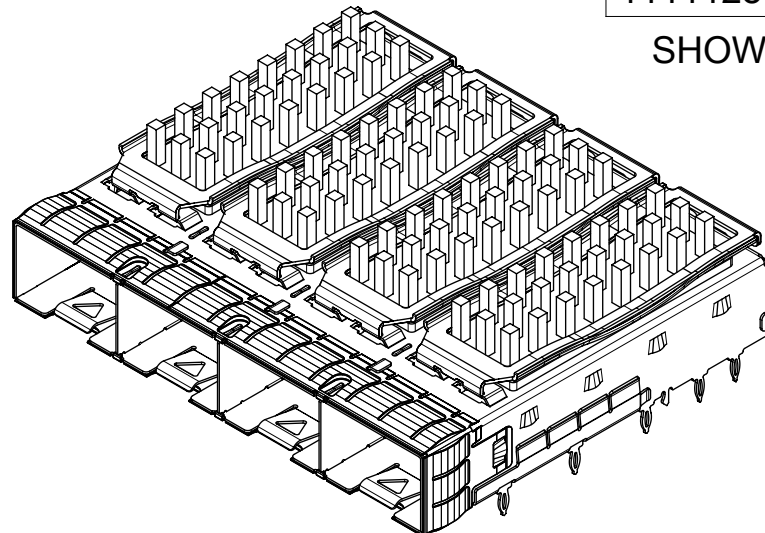
NOTE: PCI-13ROWS  
SAN-11ROWS  
NET-10ROWS



1111125420  
SHOWN

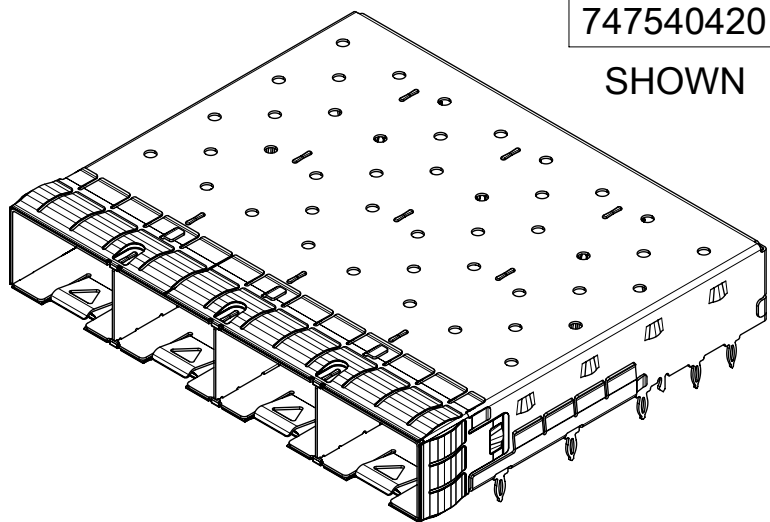
SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEAT SINK	# OF REAR LEGS PER PORT
1111124420	---	PCI	1A, 1B
1111124460	YES	PCI	1A, 1B
1111125420	---	SAN	1A, 1B
1111125421	---	SAN(*)	1A, 1B
1111125460	YES	SAN	1A, 1B
1111126420	---	NET	1A, 1B
1111126460	YES	NET	1A, 1B

NOTE: (\*)FAR LOW CAST



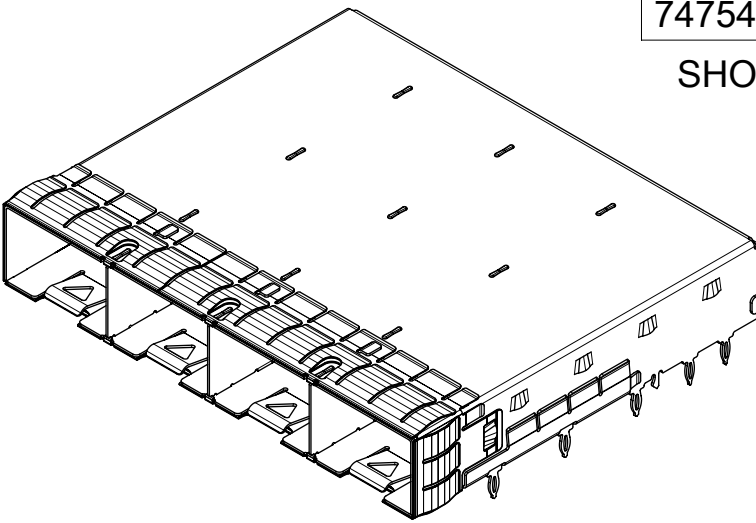
1111128420  
SHOWN

SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEAT SINK	# OF REAR LEGS PER PORT
1111127420	---	PCI	1A, 1B
1111127460	YES	PCI	1A, 1B
1111128420	---	SAN	1A, 1B
1111128460	YES	SAN	1A, 1B
1111129420	---	NET	1A, 1B
1111129460	YES	NET	1A, 1B



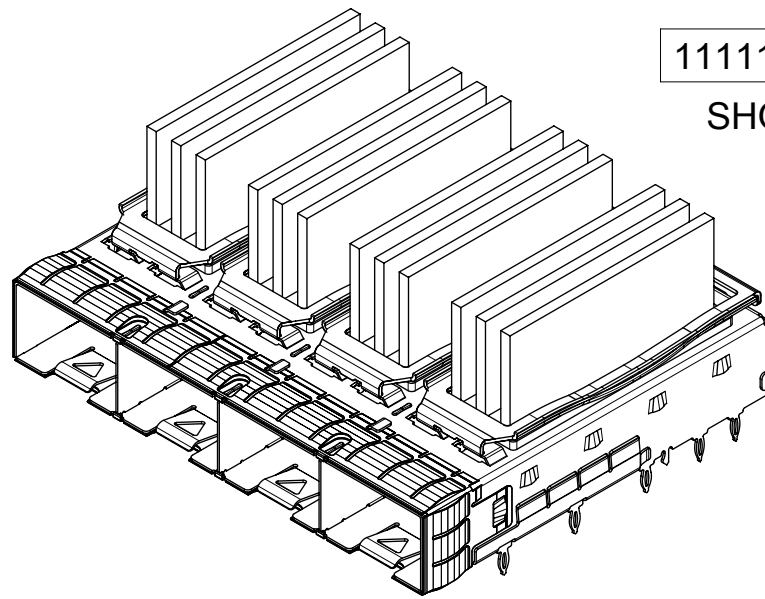
747540420  
SHOWN

SFP+ OPEN TOP BASE CAGE FOR HEATSINK				
PART NO.	POLYIMIDE INSULATOR	WELD POINT QUANTITY	# OF REAR LEGS PER PORT	PLATING
747540420	---	6	1A, 1B	-----
747540422	---	6	3A	-----
747540423	---	19	1A, 1B	-----
747540427	YES	6 (15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)	1A, 1B	-----
747540464	---	6	1A, 1B	OVER ALL: MAT TIN PLATED 2.0µm MIN.



747540426  
SHOWN

SFP+ CLOSED TOP BASE CAGE			
PART NO.	WELD POINT QUANTITY	# OF REAR LEGS PER PORT	PLATING
747540426	6 (15mm MAX PITCH BETWEEN ANY 2 WELD POINTS)	1A, 1B	OVER ALL: MAT TIN PLATED 2.0µm MIN.



1111126421  
SHOWN

SFP+ CUSTOM FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEAT SINK	# OF REAR LEGS PER PORT
1111126421	---	CUSTOM	1A, 1B

QUALITY SYMBOLS

▽ = 0

▽ = 0

▽ = 0

▼ = 0

▽ = 0

☒ = 0

■ = 0

▽ = 0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SEE REVISION TABLE

EC NO: 107116  
DRWN: VK10  
CHKD: DSUN15  
REV APPR: RCHEN08

2016/06/02  
2016/07/30  
2016/08/03

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.15

1 PLACE ± 0.25

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

4:3

DRWN BY

DATE

2016/06/02

CHK'D BY

DATE

2016/07/30

APPR BY

DATE

2016/08/03

DRAWING SIZE

THIRD ANGLE PROJECTION

C

**molex**

SFP+ 1X4 SF CAGE 3.05 MM  
PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS

PRODUCT CUSTOMER DRAWING

SERIES

111112

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

1111122420

DOC TYPE

PSD

DOC PART

ASY

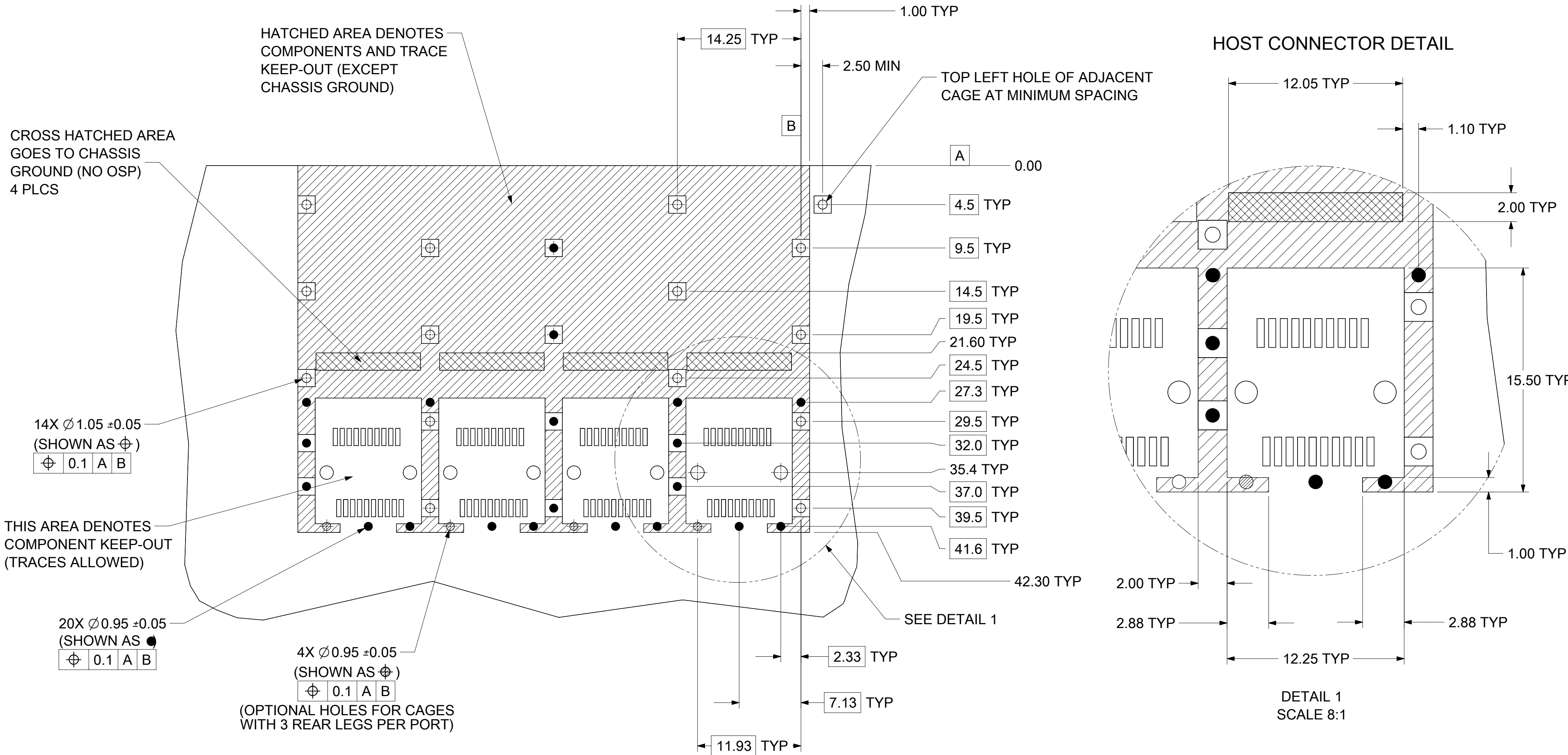
SHEET NUMBER

3 OF 8

RELEASE STATUS P1 RELEASE DATE 04.08.2016 03:02:00

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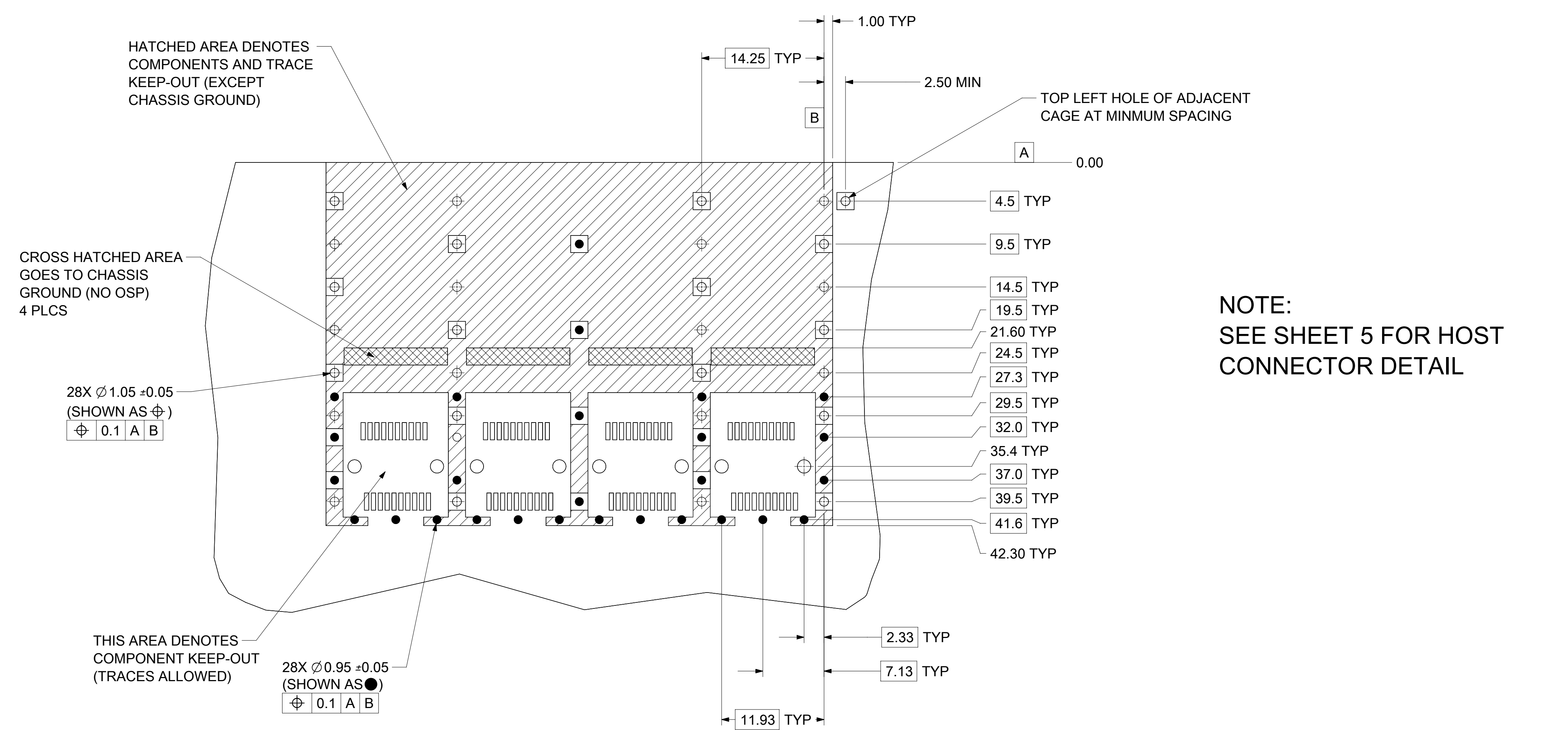
PCB LAYOUT FOR SINGLE SIDE MOUNT



- NOTES:
- PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE)
  - RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
  - CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT
  - HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm
  - MINIMUM PCB THICKNESS FOR SINGLE SIDED USE 1.57mm [0.062"].

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	= 0	SEE REVISION TABLE  EC NO: 107116 DRWN: VK10 CHKD: DSUN15 REV APPR: RCHEN08	2016/06/02 2016/07/30 2016/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)  ANGULAR TOL ± 1.0 °  4 PLACES ± 3 PLACES ± 2 PLACES ± 0.15 1 PLACE ± 0.25 0 PLACES ±  DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS		SCALE		<div>molex®</div> SFP+ 1X4 SF CAGE 3.05 MM PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS				
	= 0				MM		3:1						
	= 0				DRWN BY		DATE						
	= 0				VK10		2016/06/02						
	= 0				CHK'D BY		DATE						
	= 0				DSUN15		2016/07/30						
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	= 0				RCHEN08		2016/08/03						
	= 0				DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER		CUSTOMER	
	= 0				C				111112	SEE SHEET 3		GENERAL MARKET	
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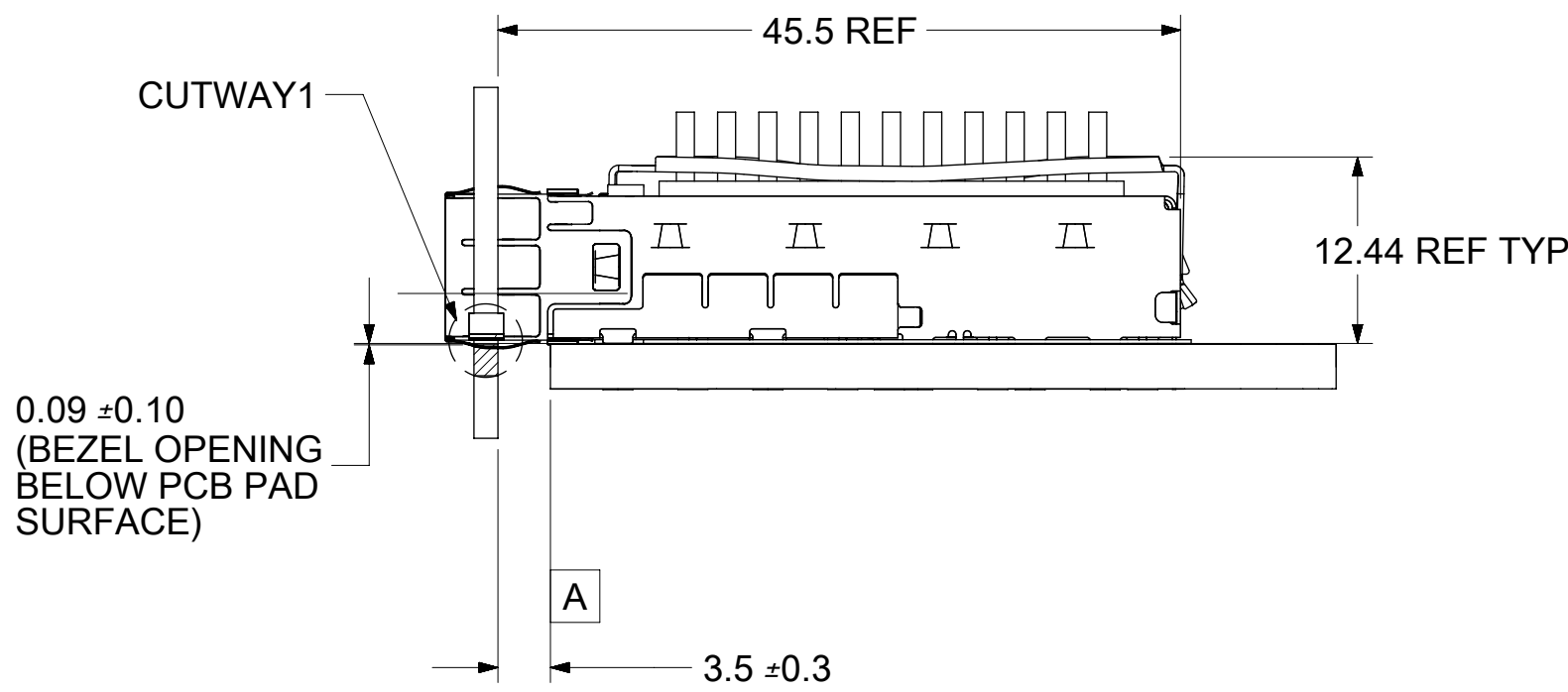
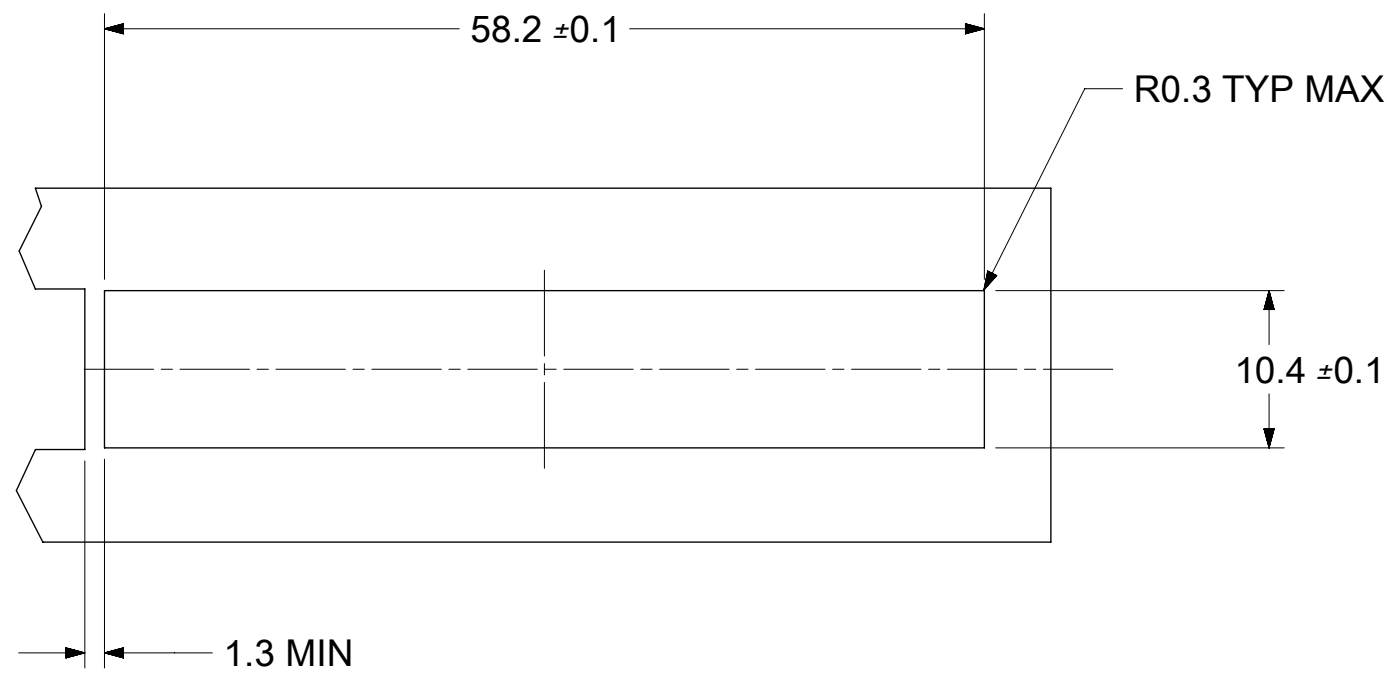
PCB LAYOUT FOR BELLY TO BELLY MOUNTING



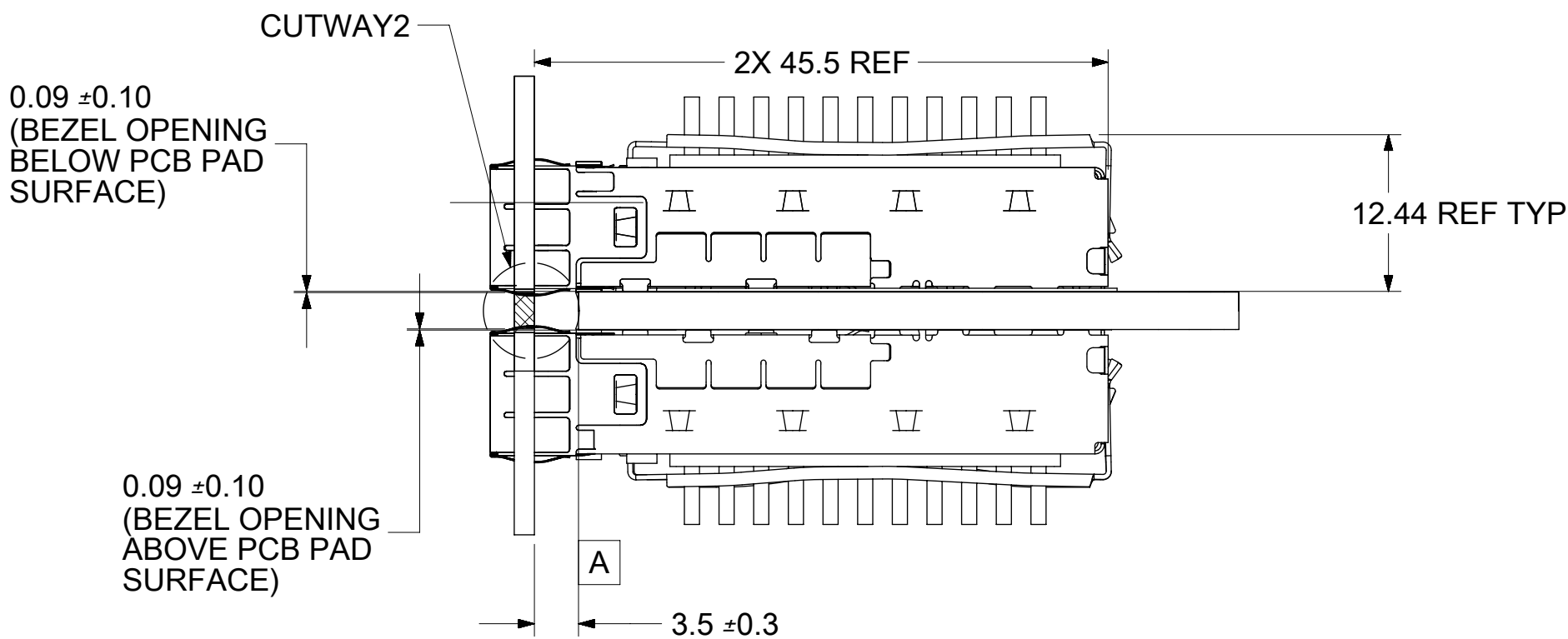
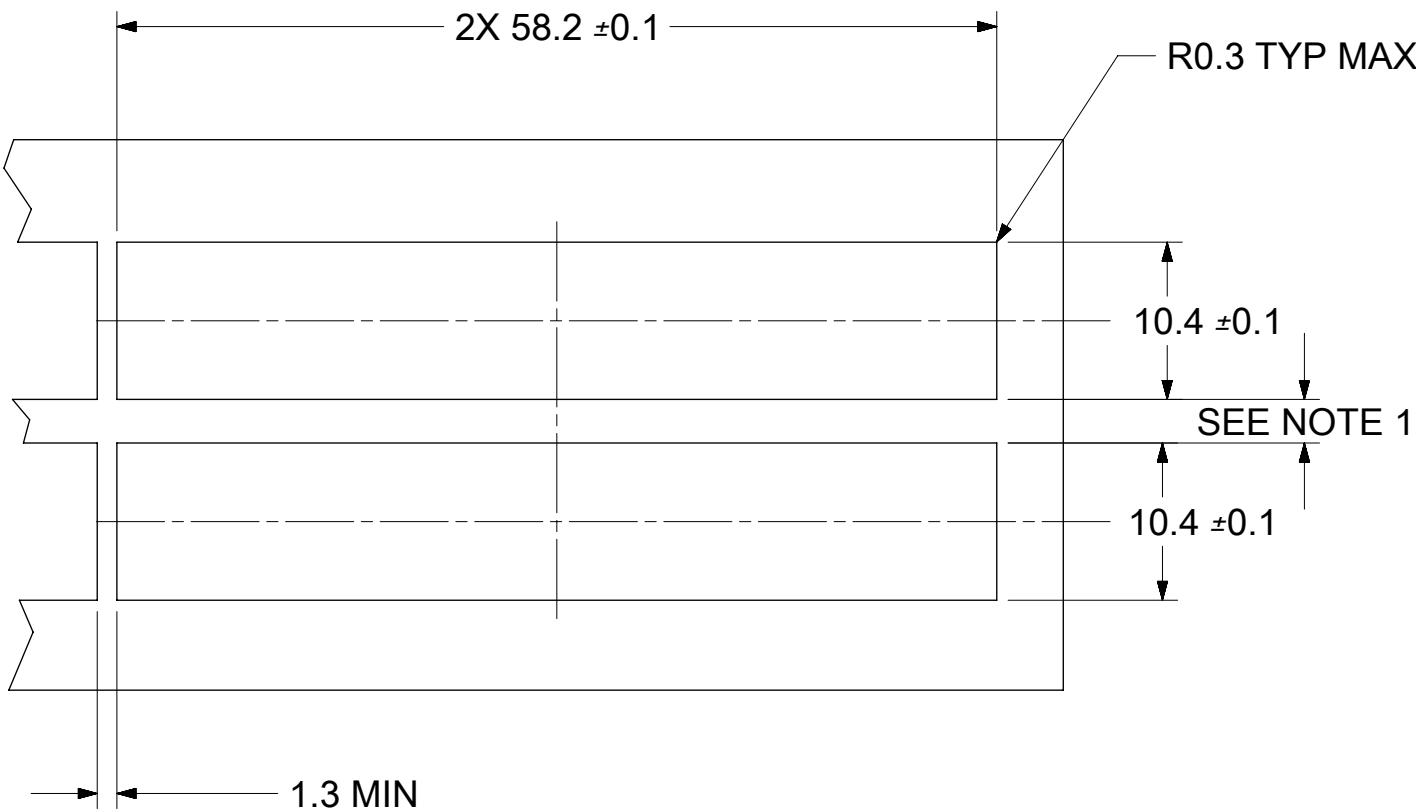
- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE)
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN)
  3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT
  4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25mm
  5. MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE 3.00mm.

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	= 0	SEE REVISION TABLE	2016/06/02 2016/07/30 2016/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		<div>molex®</div> <div>SFP+ 1X4 SF CAGE 3.05 MM</div> <div>PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS</div>							
	= 0				MM		3:1									
	= 0				DRWN BY		DATE									
	= 0				VK10		2016/06/02									
	= 0				ANGULAR TOL ± 1.0 °		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING					
	= 0				4 PLACES ±		DSUN15		2016/07/30							
	= 0				3 PLACES ±		APPR BY		DATE							
	= 0				2 PLACES ± 0.15		RCHEN08		2016/08/03							
	= 0				1 PLACE ± 0.25		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER	
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	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
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BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING  
(SPRING FINGER)



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



NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.  
2. CAGE LEG STANDOFF WILL PIERCE BELLY GASKET WHEN PROPERLY PRESSED INTO PCB.

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	= 0	SEE REVISION TABLE	EC NO: 107116 DRWN: VK10 CHKD: DSUN15 REV APPR: RCHEN08	2016/06/02 2016/07/30 2016/08/03	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE									
	= 0					MM		2:1									
	= 0					DRWN BY		DATE									
	= 0					ANGULAR TOL ± 1.0 °		VK10		2016/06/02		SFP+ 1X4 SF CAGE 3.05 MM PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS					
	= 0					4 PLACES ±		CHKD BY		DATE							
	= 0					3 PLACES ±		DSUN15		2016/07/30							
	= 0					2 PLACES ± 0.15		APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
	= 0					1 PLACE ± 0.25		RCHEN08		2016/08/03							
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	= 0					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C				111112		SEE SHEET 3		GENERAL MARKET	
	= 0	DOCUMENT NUMBER		DOC TYPE								DOC PART		SHEET NUMBER			
	= 0	1111122420		PSD								ASY		6 OF 8			





