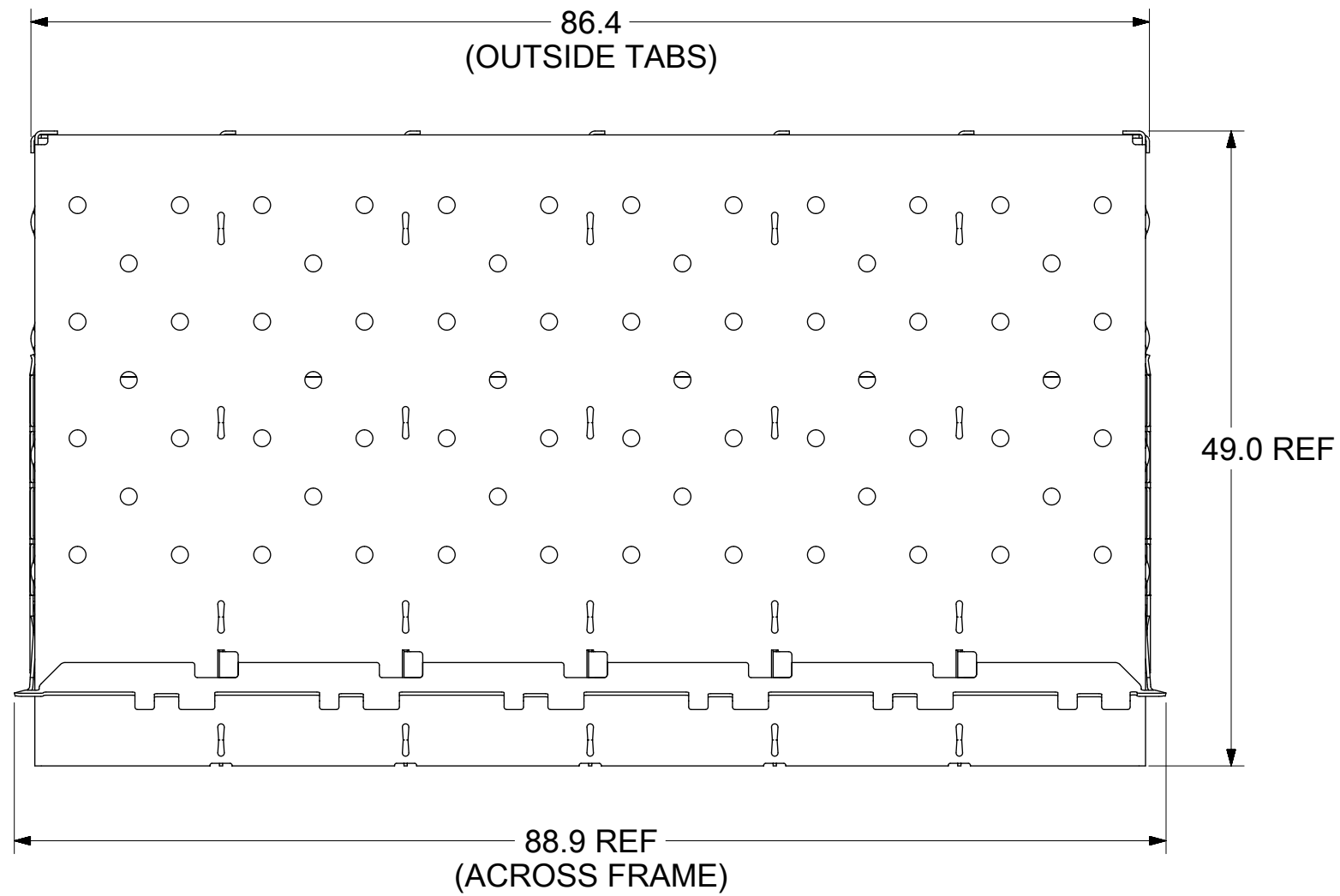


# BASE CAGE DETAILS

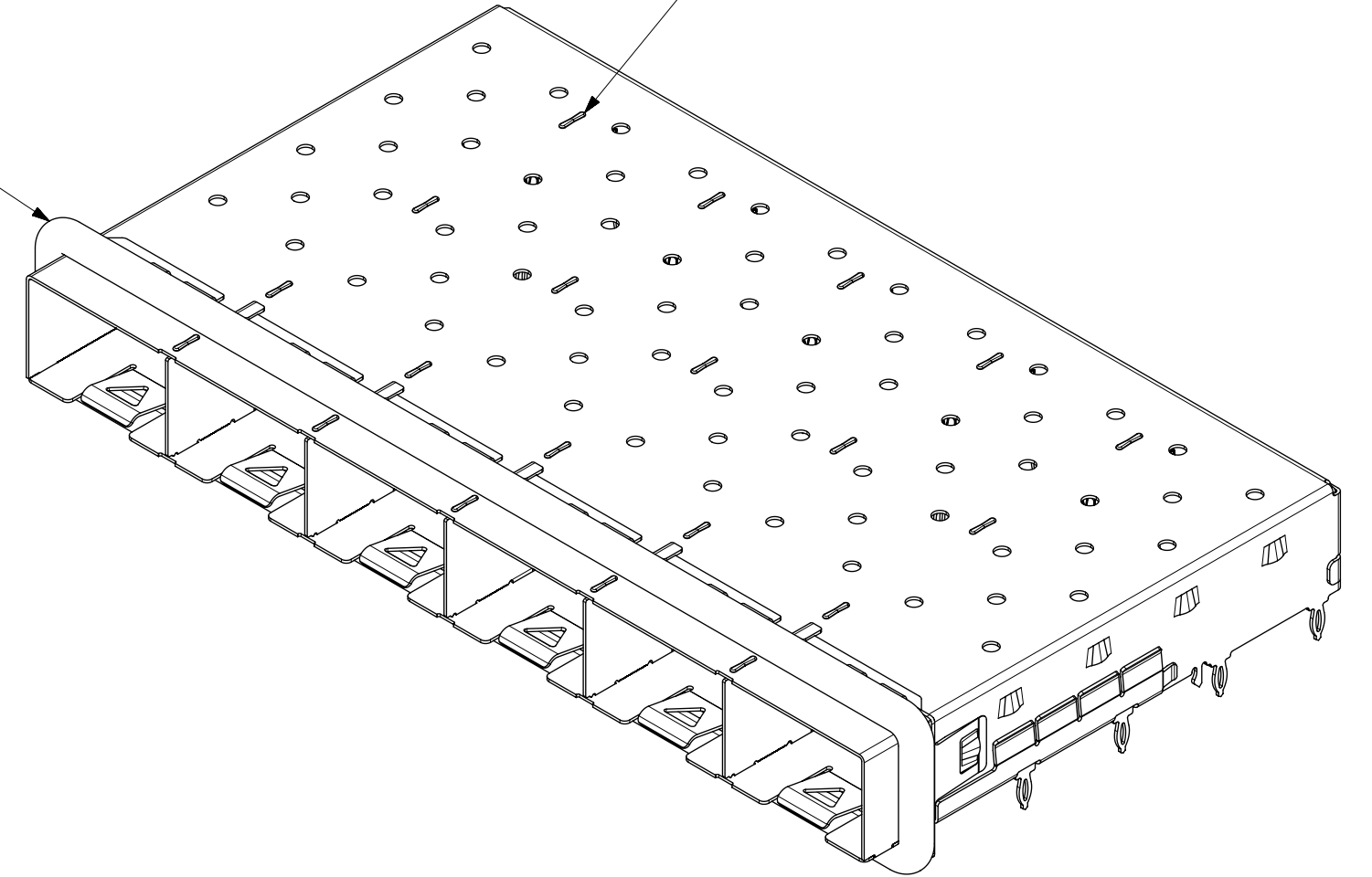
(APPLIES TO ALL CAGES IN THIS DRAWING)

747540610  
 SHOWN

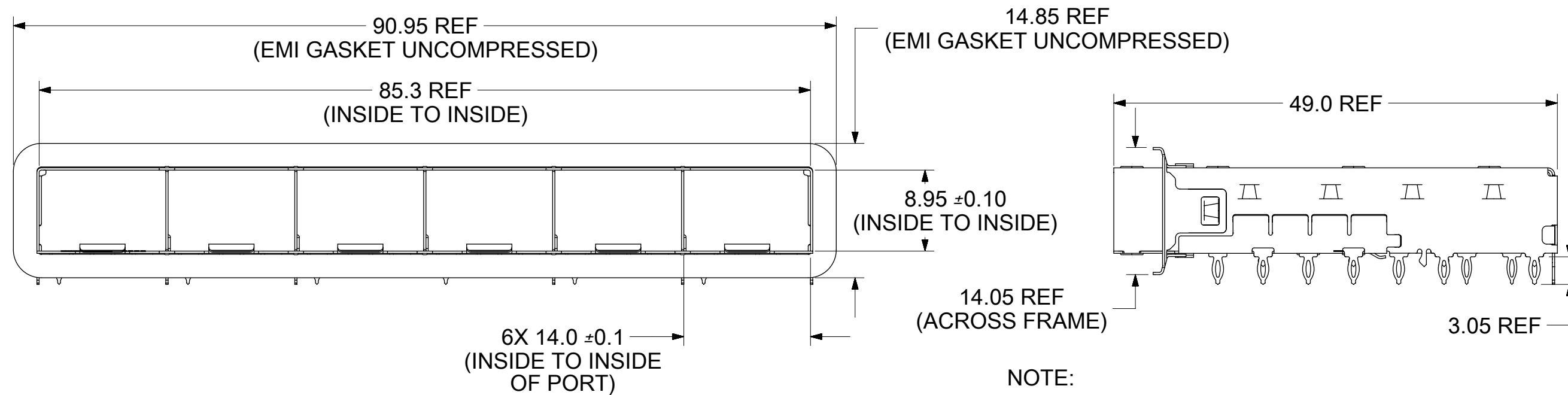


360° SOFT ELASTOMERIC GASKET

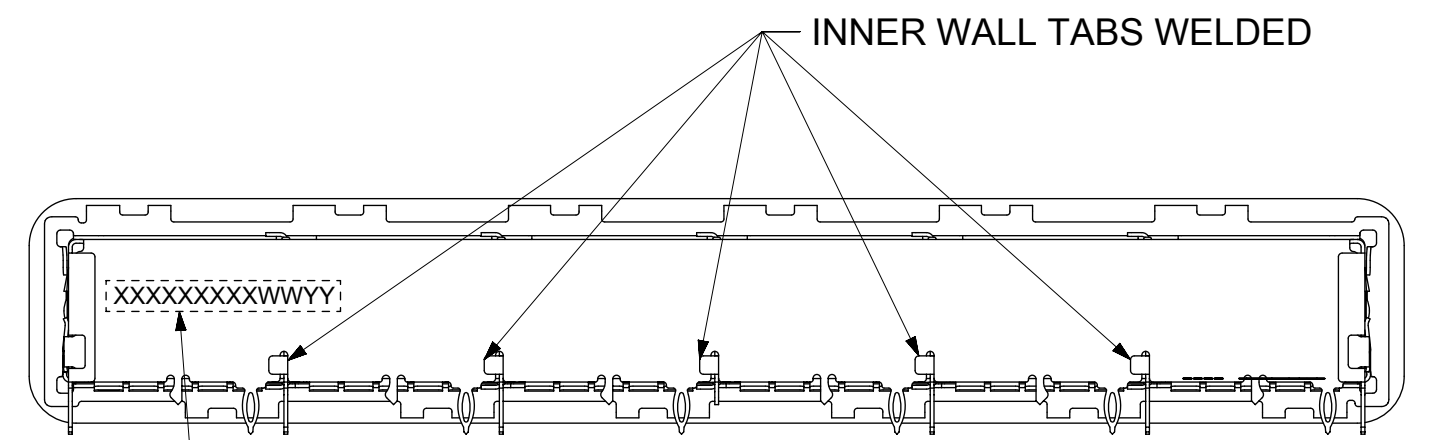
INNER WALLS ARE COINED FOR EXTRA RIGIDITY



NOTE:  
 EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



NOTE:  
 EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



INNER WALL TABS WELDED

PN/DATE CODE TO BE PRINTED ON THE BACK OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.

WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52, EXAMPLE: 01 = FIRST WEEK OF YEAR, 52 = LAST WEEK OF YEAR
YY	17, 18, 19 ETC. EXAMPLE: YEAR 2017 = 17

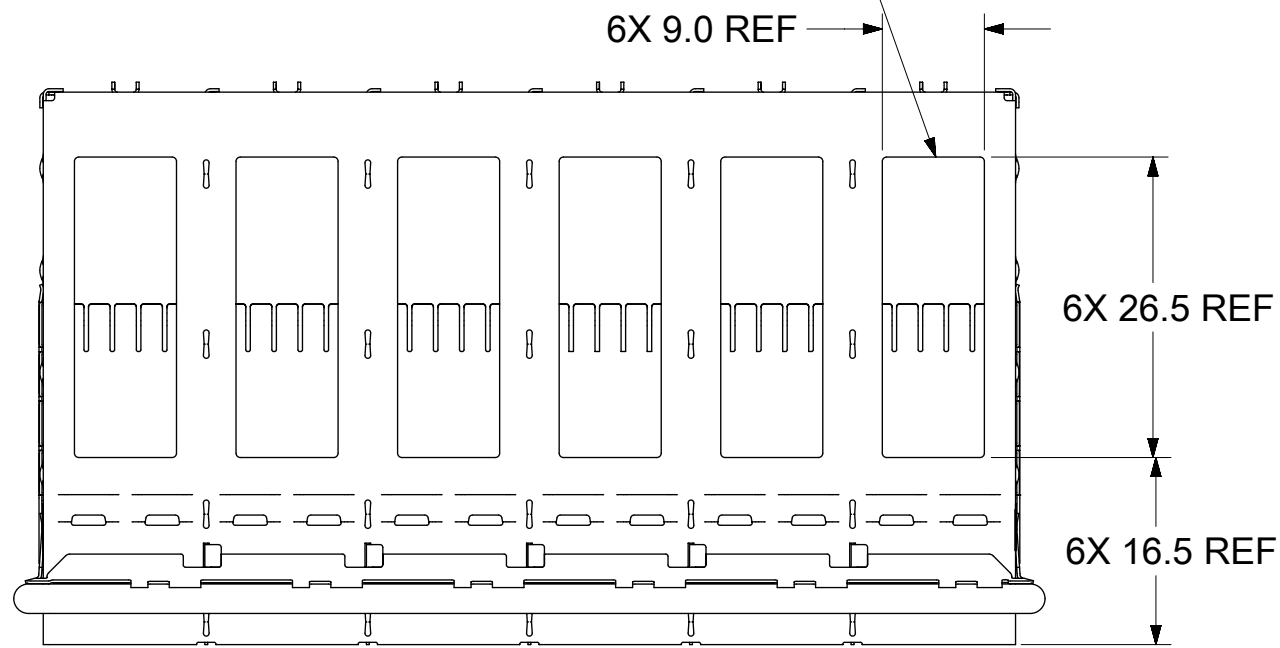
- NOTES:
- MATERIAL:  
 CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.  
 SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.  
 HEATSINK: ALUMINUM, NICKEL PLATED.  
 HEATSINK SPRING CLIP: STAINLESS STEEL.
  - PRESS FIT LEGS 3.05mm LONG:
  - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE 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.

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: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV APPR: RCHEN08	2017/02/27	2017/04/27	2017/05/03	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS MM	SCALE 2:1	
	DRWN BY MHANUMAPPARE	DATE 2017/02/27	DRWN BY DATE 2017/04/27		DRWN BY DATE 2017/05/03		
	CHKD BY DSUN15	DATE 2017/04/27	CHKD BY RCHEN08		DATE 2017/05/03		
	APPR BY RCHEN08	DATE 2017/05/03	DRAWING SIZE C				
				THIRD ANGLE PROJECTION		SERIES: 111112 MATERIAL NUMBER: SEE SHEET 4 CUSTOMER: GENERAL MARKET DOCUMENT NUMBER: 111122610 DOC TYPE: PSD DOC PART: ASY SHEET NUMBER: 1 OF 9	

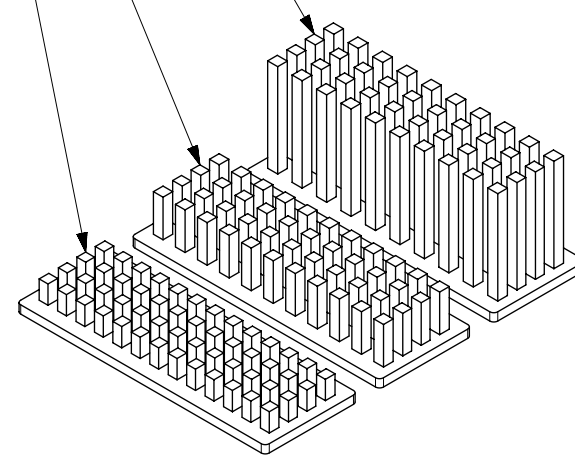
# CAGE ASSEMBLY OPTIONS

OPEN TOP  
111120610  
SHOWN  
(APPLIES TO ALL  
OPEN TOP CAGES)



## HEATSINK OPTIONS

PIN FIELD NETWORKING  
PIN FIELD SAN  
PIN FIELD PCI



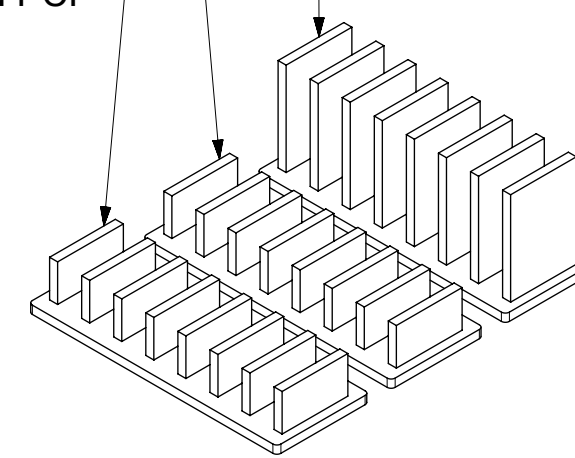
### OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

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

## HEATSINK OPTIONS

LATERAL FIN NETWORKING  
LATERAL FIN SAN  
LATERAL FIN PCI

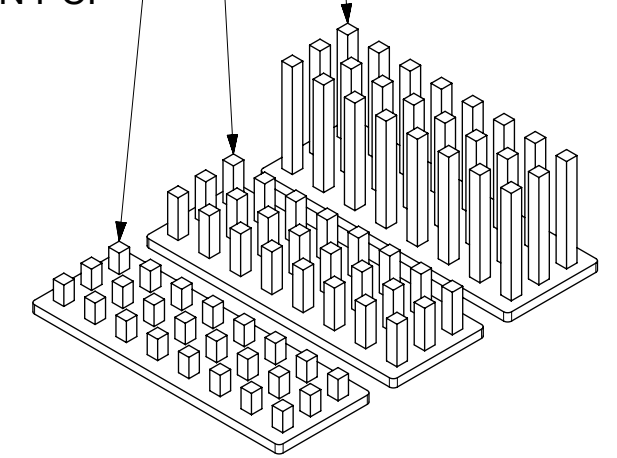


### OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

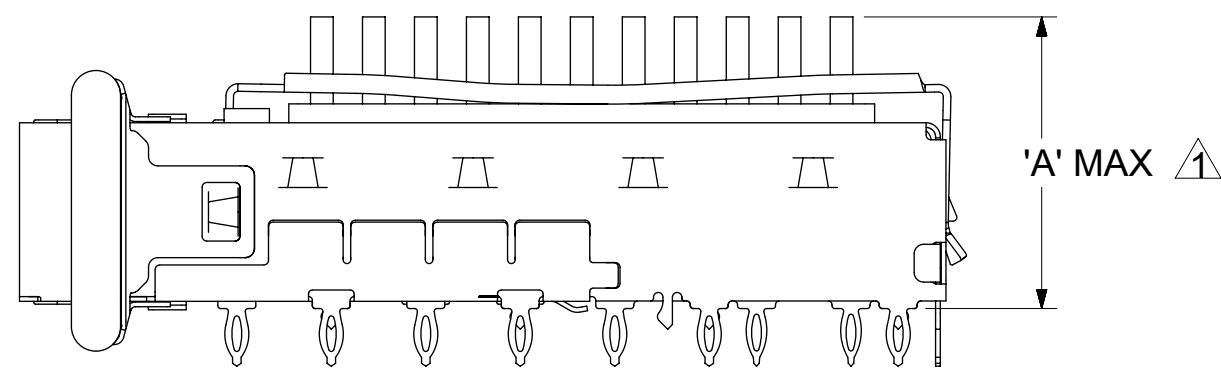
## HEATSINK OPTIONS

WIDE GAP PIN NETWORKING  
WIDE GAP PIN SAN  
WIDE GAP PIN PCI



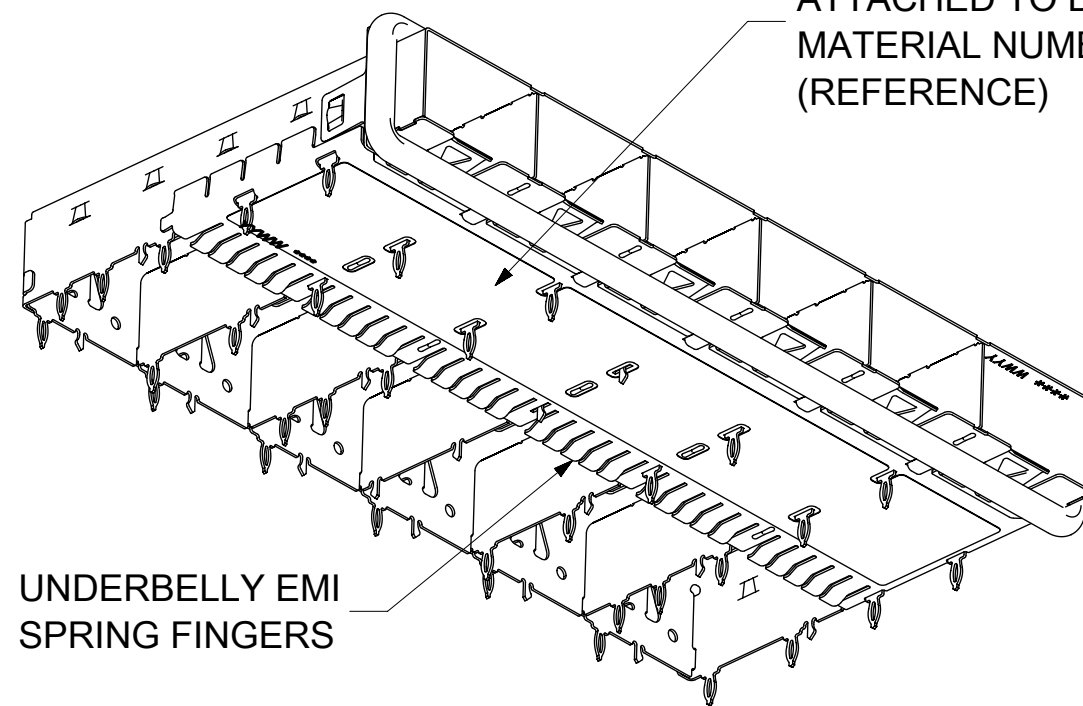
### OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

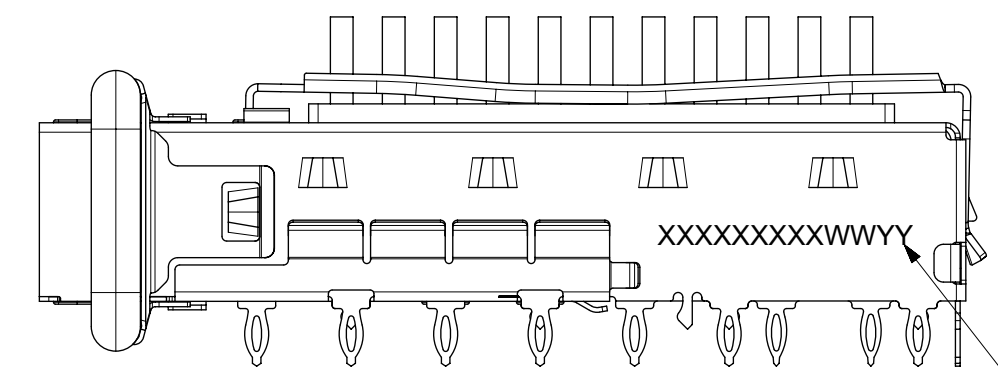


NOTES:  
HEIGHT OF HEATSINK WITH MODULE INSERTED.  
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

OPTIONAL POLYIMIDE INSULATOR  
ATTACHED TO BOTTOM OF CAGE  
MATERIAL NUMBER 739300634  
(REFERENCE)



UNDERBELLY EMI  
SPRING FINGERS



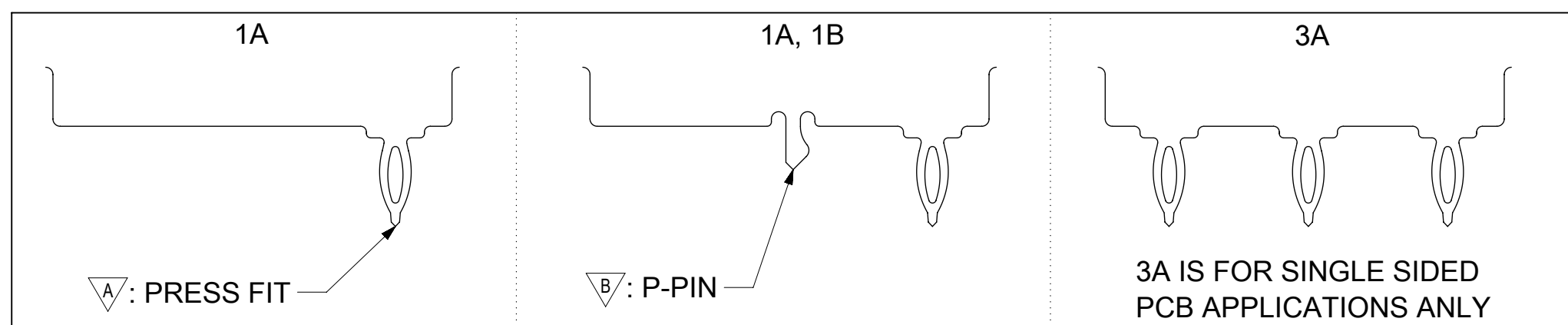
PN/DATE CODE TO BE PRINTED ON THE SIDE OF  
COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.

### WEEK/YEAR DATE CODE TABLE

WW	01 THRU 52, EXAMPLE: 01 = FIRST WEEK OF YEAR, 52 = LAST WEEK OF YEAR
YY	17, 18, 19 ETC. EXAMPLE: YEAR 2017 = 17

## REAR LEG OPTIONS

(PER PORT)



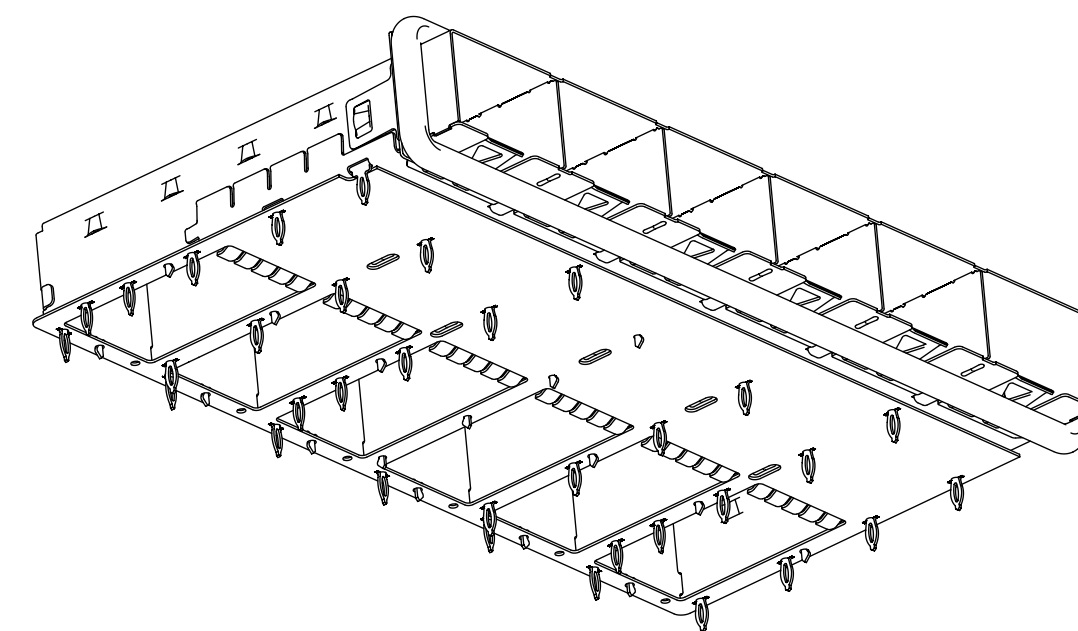
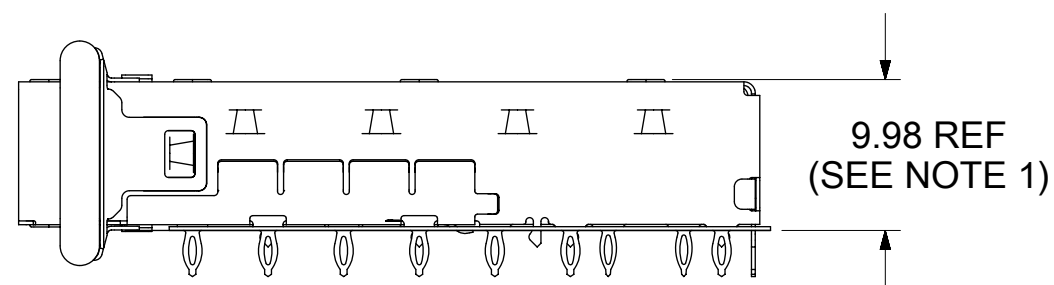
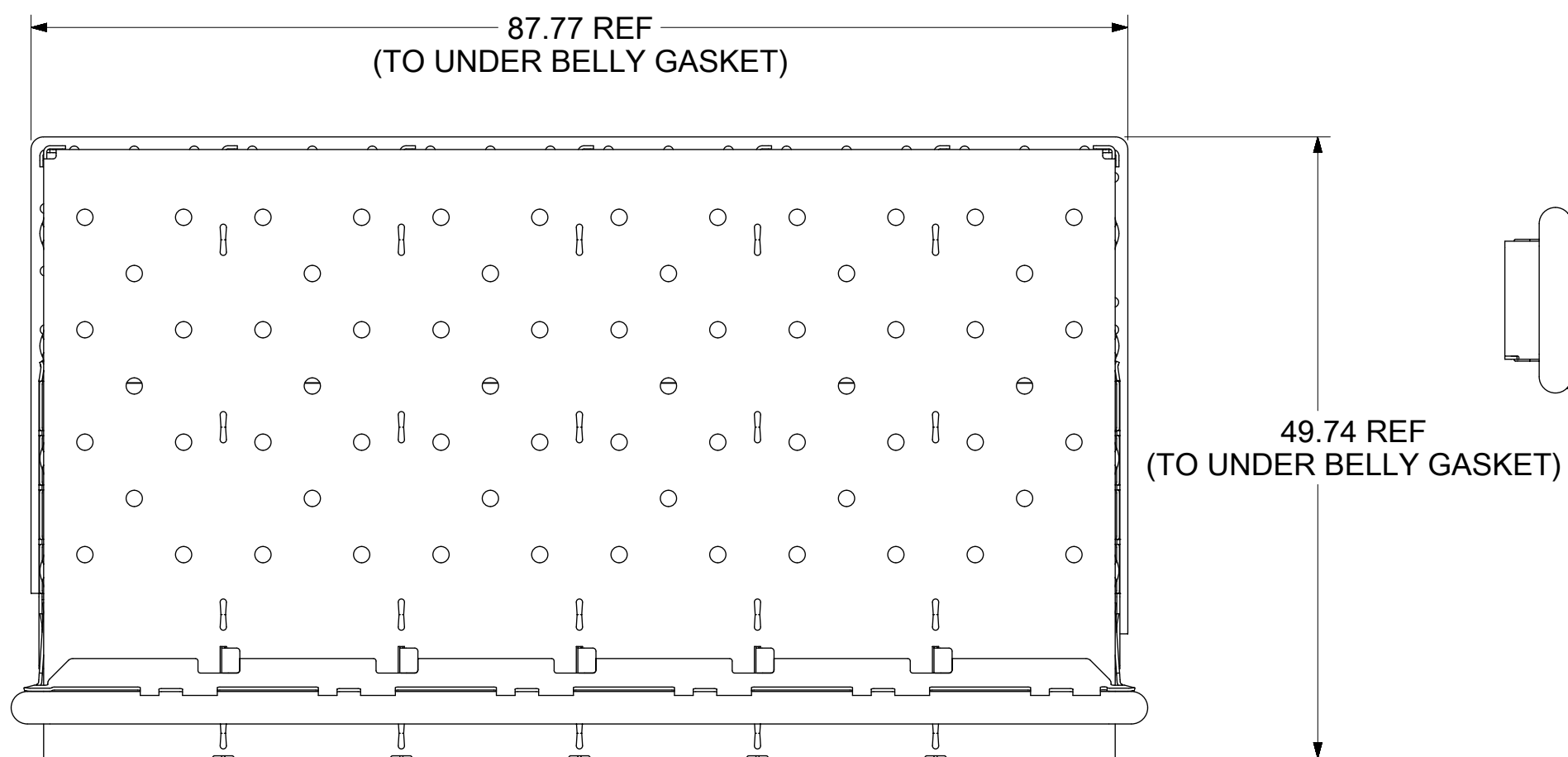
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SEE REVISION TABLE EC NO: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV: APPR: RCHEN08	2017/02/27	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS	SCALE	
	2017/04/27		MM	1.5:1	
	2017/05/03		DRWN BY	DATE	
			MHANUMAPPARE	2017/02/27	
		CHKD BY	DATE		1X6 SFP+ CAGE, 120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET  PRODUCT CUSTOMER DRAWING SERIES MATERIAL NUMBER CUSTOMER 11112 SEE SHEET 4 GENERAL MARKET DOCUMENT NUMBER DOCTYPE DOC PART SHEET NUMBER 111122610 PSD ASY 2 OF 9
	APPR BY	DATE			
	RCHEN08	2017/05/03			
	DRAWING SIZE	THIRD ANGLE PROJECTION			
			C		

# OPTIONAL GEN 2 UNDER BELLY GASKET

1001150610

SHOWN



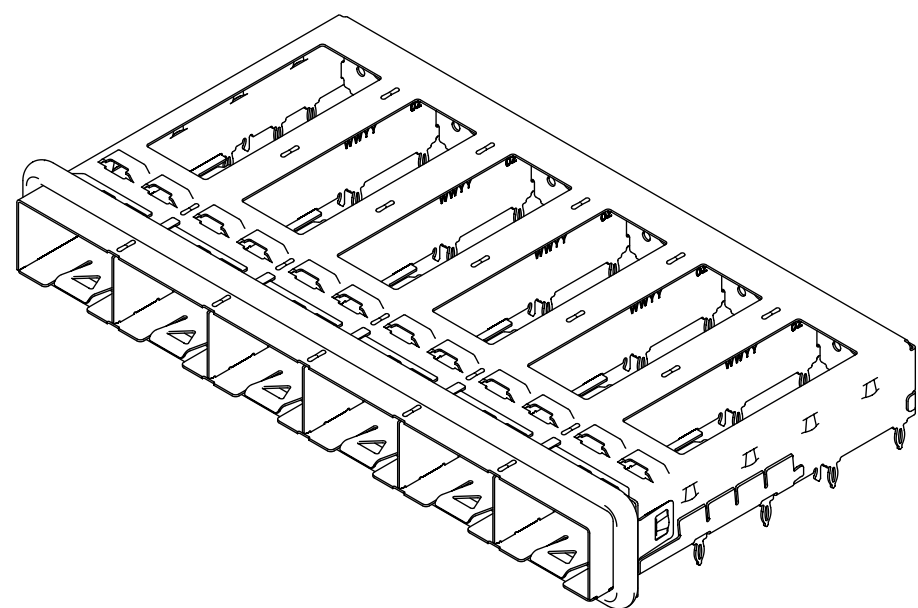
NOTE:  
1. CAGE LEG STANDOFF WILL PIERCE GASKET WHEN PROPERLY PRESSED INTO PCB

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: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV: APPR: RCHEN08	2017/02/27	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE								
	2017/04/27		MM	2:1								
	2017/05/03		ANGULAR TOL ± 1.0 °	DRWN BY		DATE						
			4 PLACES ±	MHANUMAPPARE		2017/02/27						
			3 PLACES ±	CHKD BY		DATE						
	2 PLACES ± 0.13	DSUN15	2017/04/27									
	1 PLACE ± 0.25	APPR BY	DATE	PRODUCT CUSTOMER DRAWING								
	0 PLACES ±	RCHEN08	2017/05/03	SERIES	MATERIAL NUMBER							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION	111112	SEE SHEET 4	CUSTOMER	GENERAL MARKET				
E			C		DOCUMENT NUMBER	1111122610	DOC TYPE	PSD	DOC PART	ASY	SHEET NUMBER	3 OF 9

# PART NUMBER SELECTION

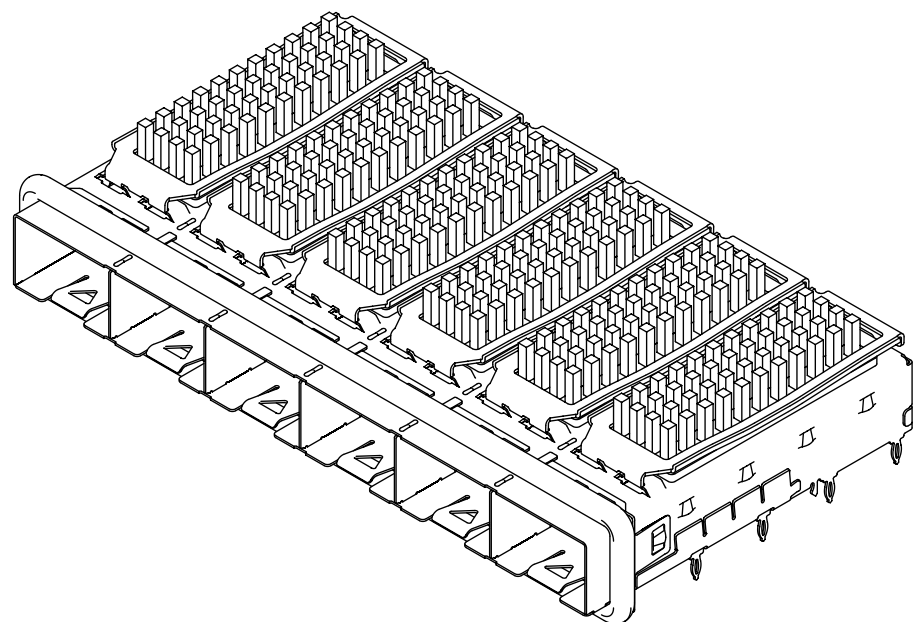
1111120610  
SHOWN



SFP+ OPEN TOP BASE CAGE FOR HEATSINKS			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111120610	---	---	1A, 1B
1111120650	YES	---	1A, 1B

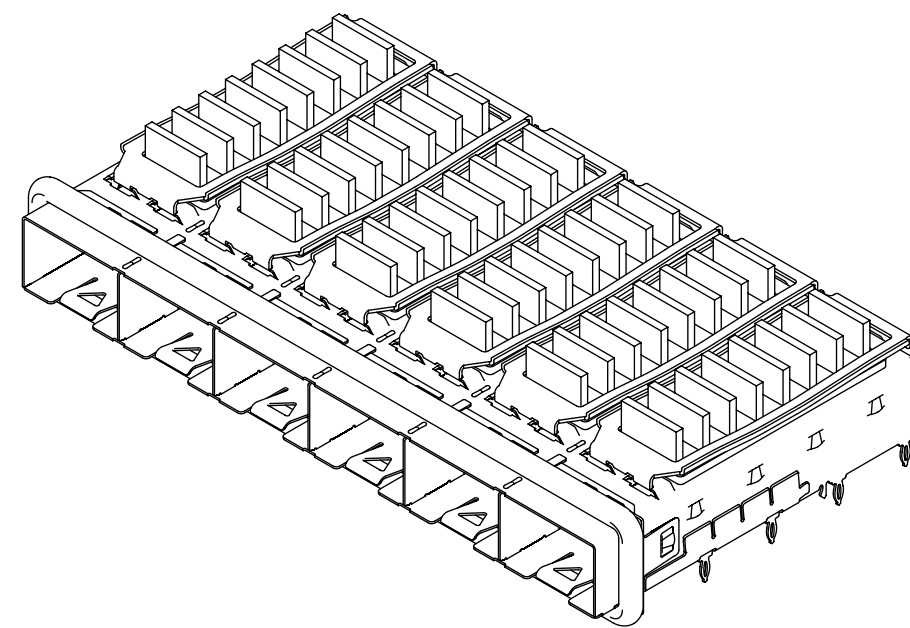
NOTE: PCI - 13 ROWS  
SAN - 11 ROWS  
NETWORKING - 10 ROWS

1111122610  
SHOWN



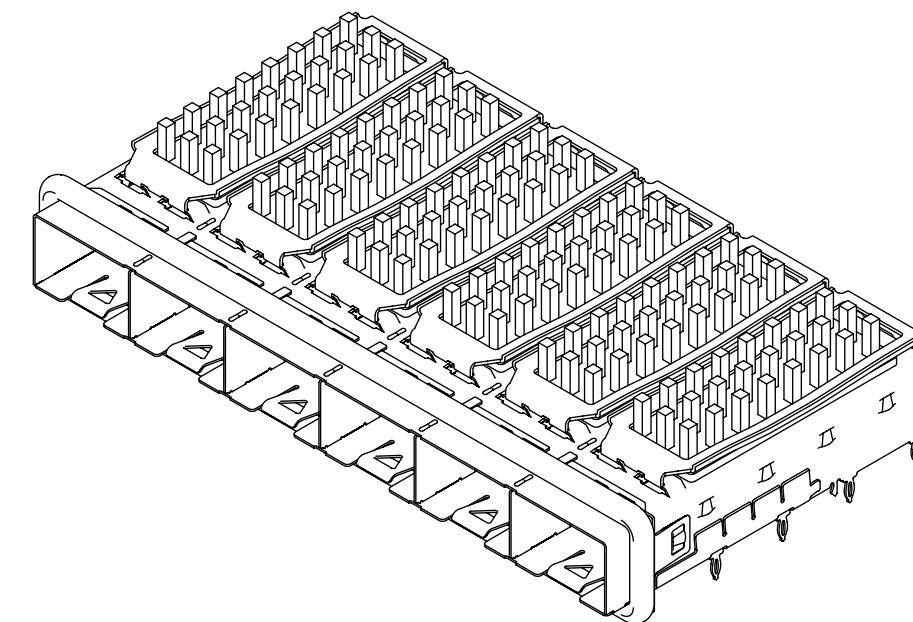
SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111121610	---	PCI	1A, 1B
1111121650	YES	PCI	1A, 1B
1111122610	---	SAN	1A, 1B
1111122650	YES	SAN	1A, 1B
1111123610	---	NET	1A, 1B
1111123650	YES	NET	1A, 1B

1111125610  
SHOWN



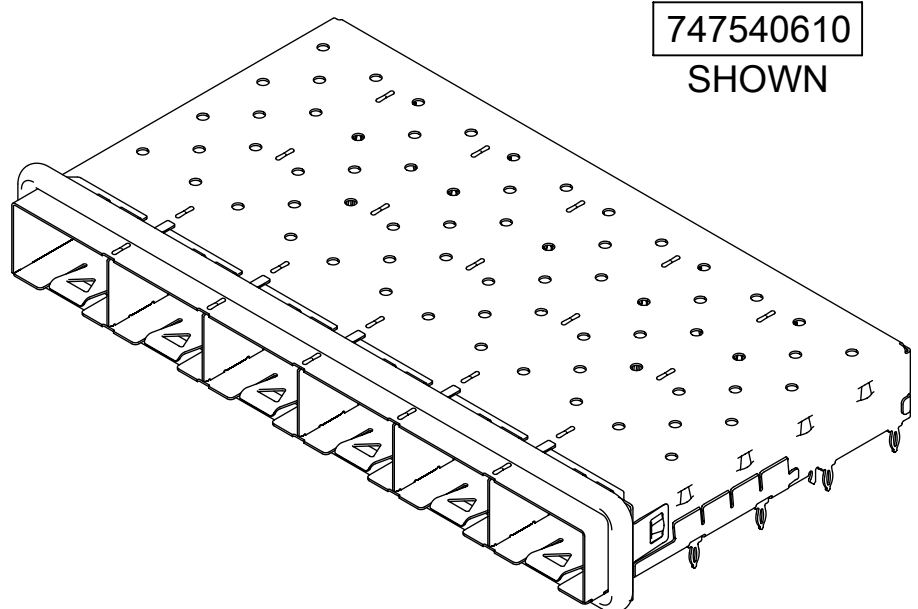
SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111124610	---	PCI	1A, 1B
1111124650	YES	PCI	1A, 1B
1111125610	---	SAN	1A, 1B
1111125650	YES	SAN	1A, 1B
1111126610	---	NET	1A, 1B
1111126650	YES	NET	1A, 1B

1111128610  
SHOWN



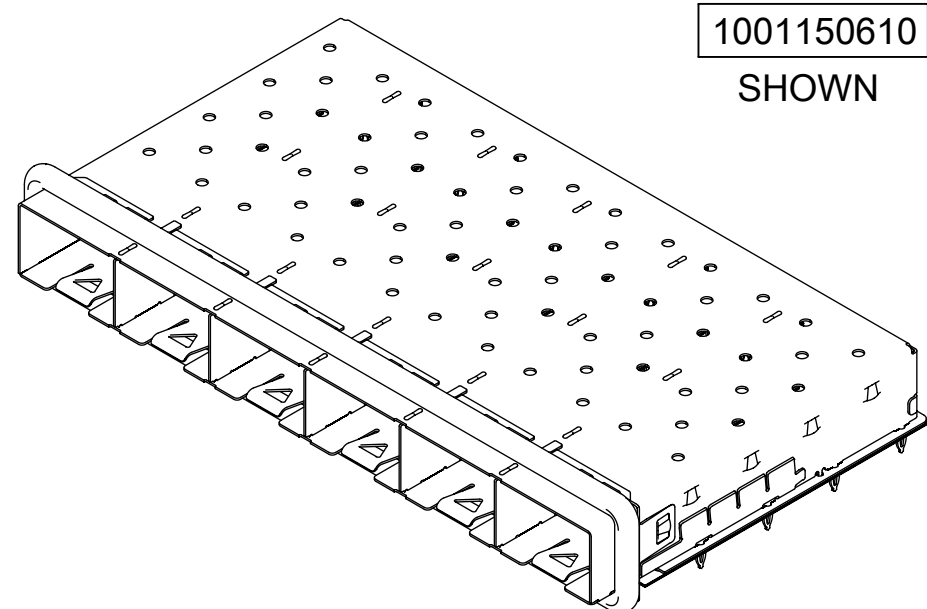
SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111127610	---	PCI	1A, 1B
1111127650	YES	PCI	1A, 1B
1111128610	---	SAN	1A, 1B
1111128650	YES	SAN	1A, 1B
1111129610	---	NET	1A, 1B
1111129650	YES	NET	1A, 1B

747540610  
SHOWN



SFP+ CLOSED TOP CAGE			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
747540610	---	---	1A, 1B
747540611	---	---	3A
747540613	---	---	1A, 1B

1001150610  
SHOWN



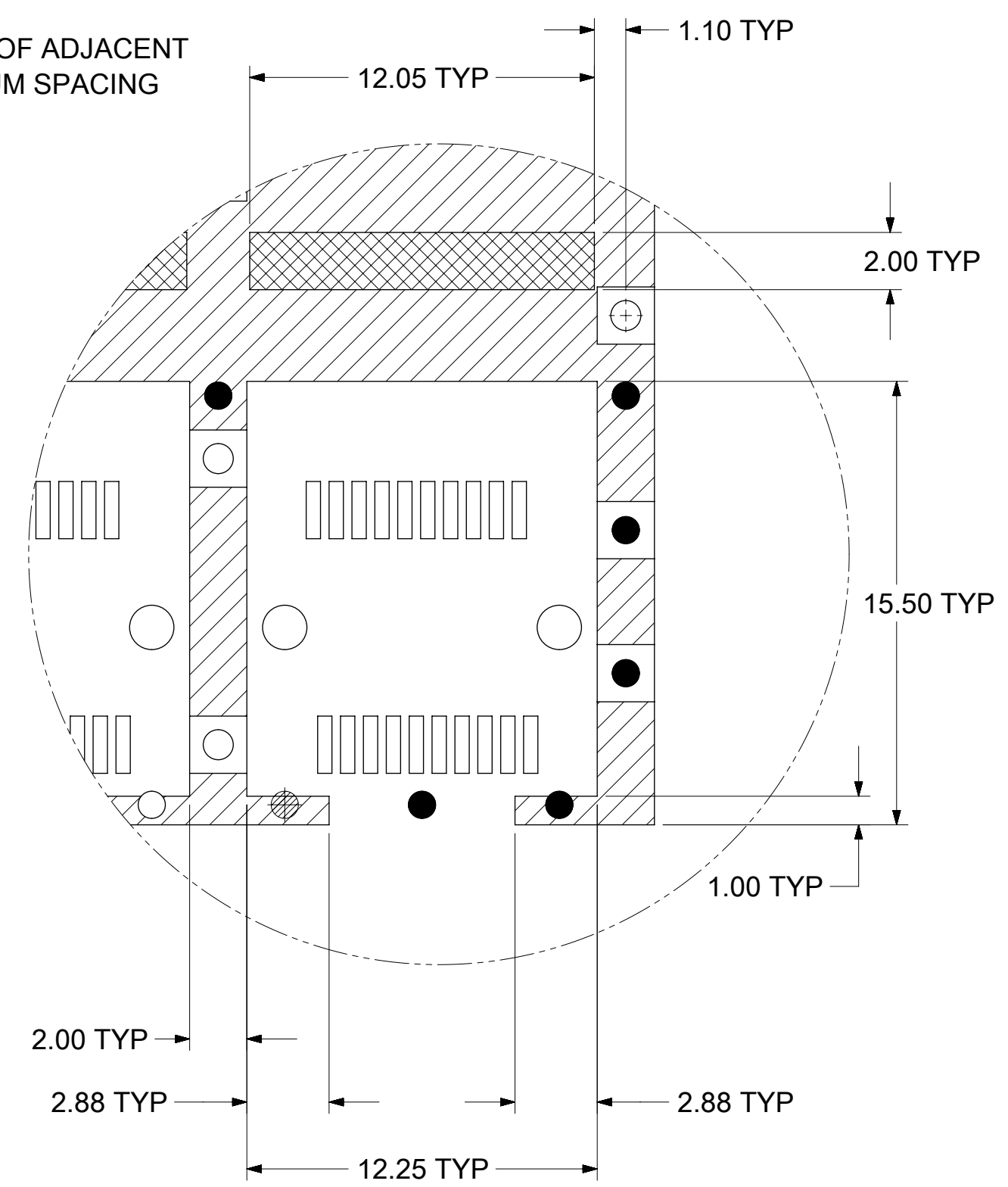
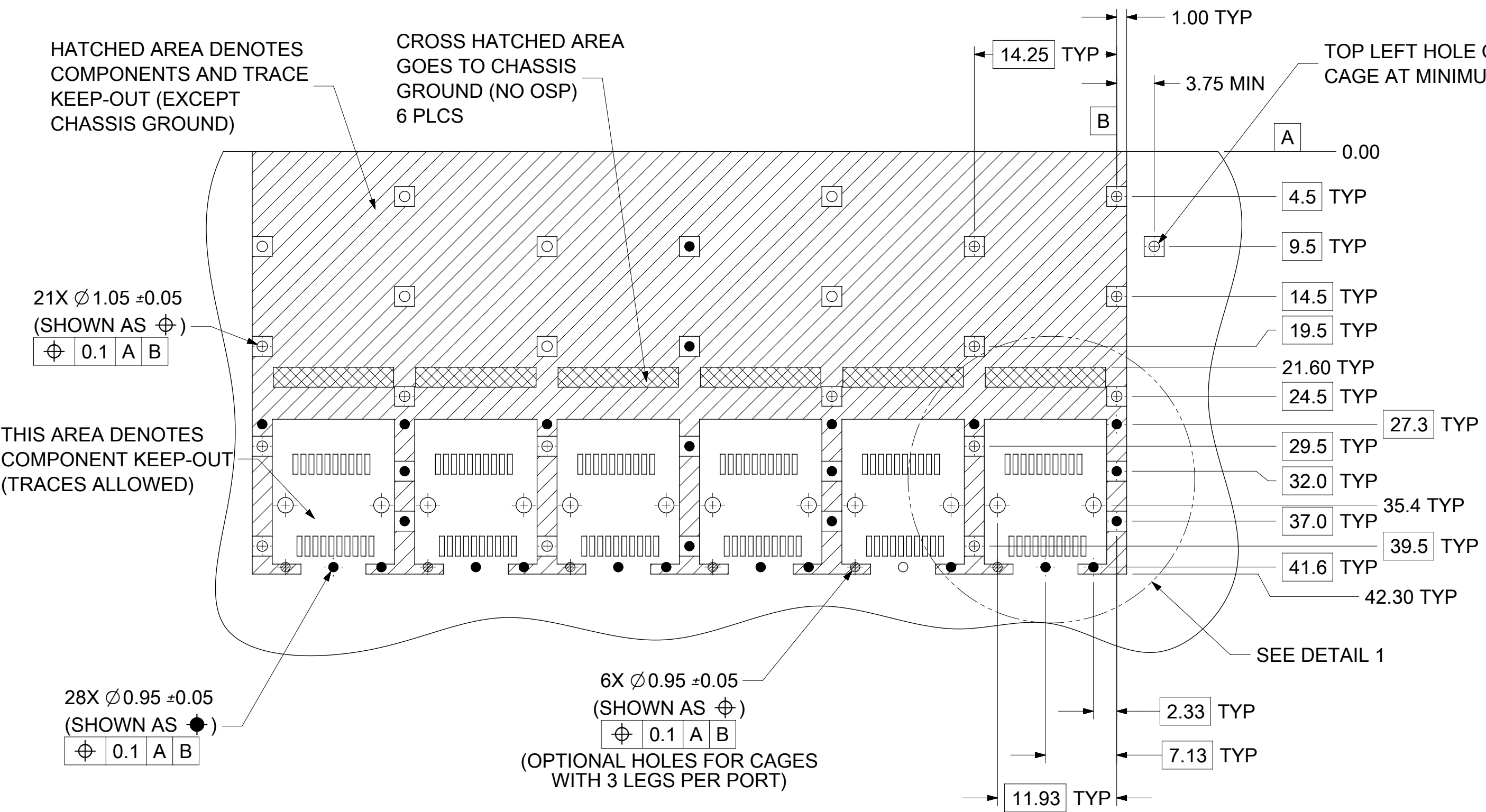
zSFP+ GEN 2 CLOSED TOP BASE CAGE			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1001150610	---	---	1A, 1B

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: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV / APPR: RCHEN08	2017/02/27	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS	SCALE		
	2017/04/27		MM	1.25:1		
	2017/05/03		DRWN BY	DATE		MHANUMAPPARE 2017/02/27
			CHKD BY	DATE		DSUN15 2017/04/27
			APPR BY	DATE		RCHEN08 2017/05/03
	DRAWING SIZE	THIRD ANGLE PROJECTION	C		SERIES: 111112 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET DOCUMENT NUMBER: 1111122610 DOC TYPE: PSD DOC PART: ASY SHEET NUMBER: 4 OF 9	

# PCB LAYOUT FOR SINGLE SIDE MOUNT

## HOST CONNECTOR DETAIL

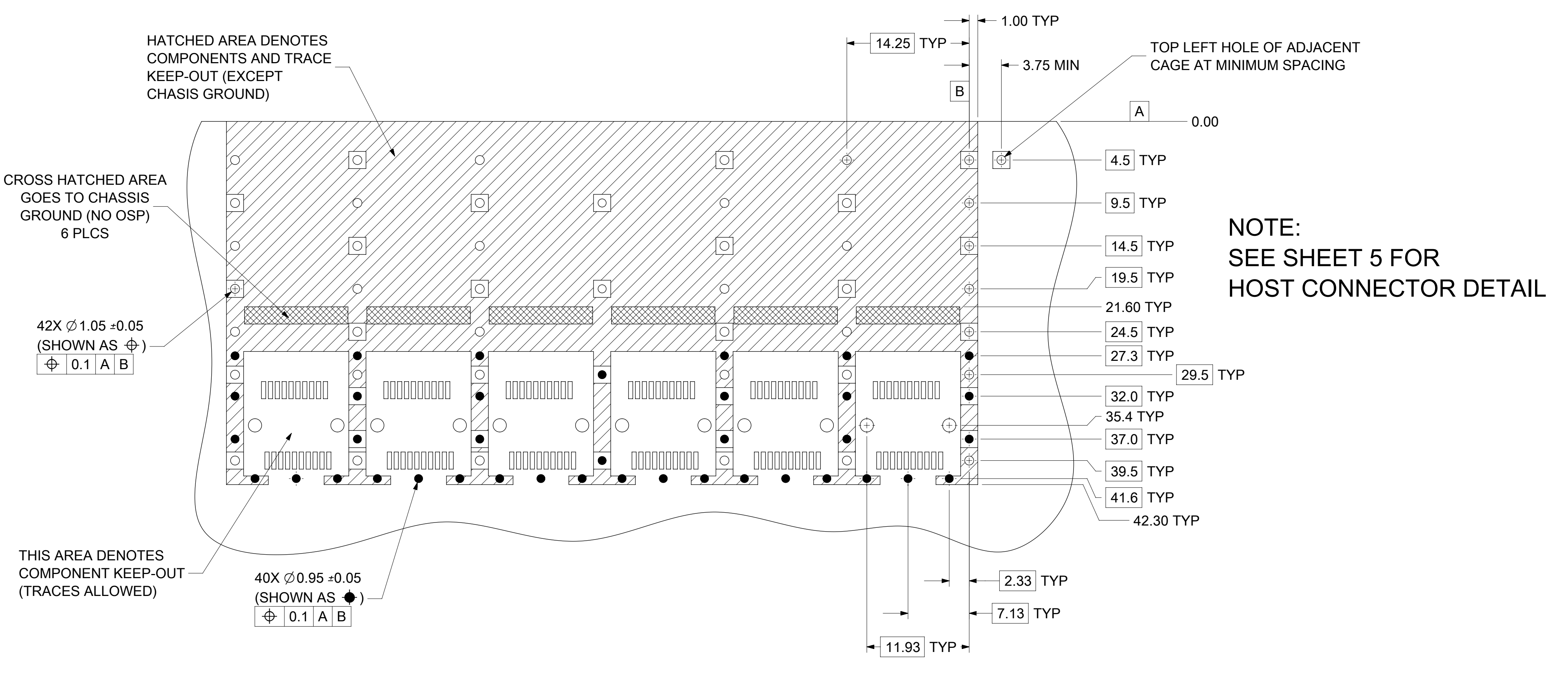


DETAIL 1  
SCALE 5:1

- NOTES:
- PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND 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.
  - MIN PCB THICKNESS FOR SINGLE SIDED USE: 1.57mm.

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:	116175	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	MM	SCALE	2.5:1	<b>molex</b>						
	DRWN:	MHANUMAPPARE	ANGULAR TOL ± 1.0 °	DRWN BY	MHANUMAPPARE	DATE	2017/02/27							
	CHKD:	DSUN15	4 PLACES ±	CHKD BY	DSUN15	DATE	2017/04/27	1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET						
	REV / APPR:	RSCHEN08	3 PLACES ±	APPR BY	RSCHEN08	DATE	2017/05/03							
			2 PLACES ± 0.13	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	C	THIRD ANGLE PROJECTION		SERIES	111112	MATERIAL NUMBER	SEE SHEET 4	CUSTOMER	GENERAL MARKET
		1 PLACE ± 0.25					DOCUMENT NUMBER	111122610	DOC TYPE	PSD	DOC PART	ASY	SHEET NUMBER	5 OF 9
		0 PLACES ±												

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



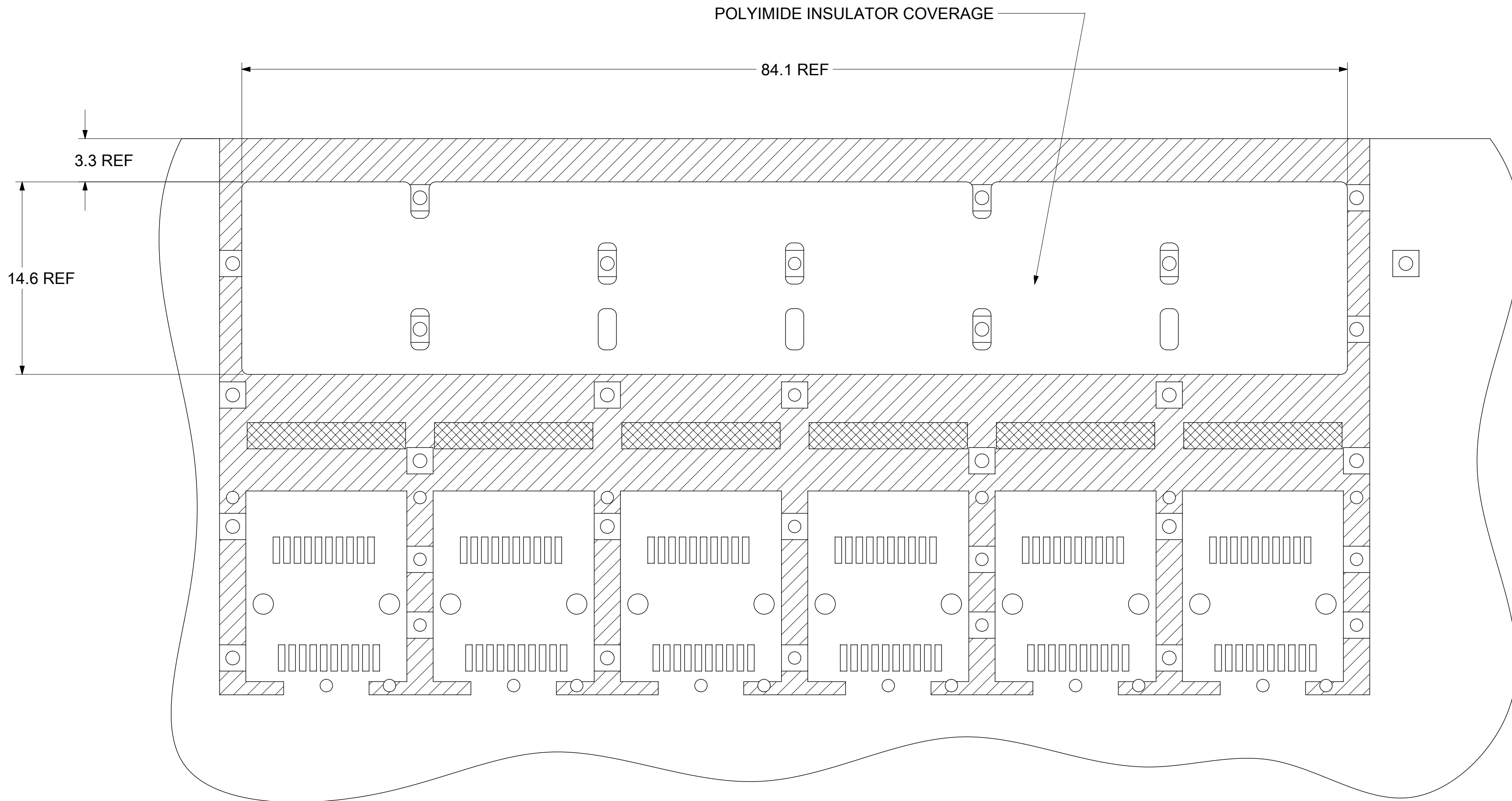
**NOTE:**  
SEE SHEET 5 FOR  
HOST CONNECTOR DETAIL

- 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.
  5. MIN PCB THICKNESS FOR BELLY TO BELLY USE: 3.00mm.

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:	116175	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE						
	DRWN:	MHANUMAPPARE	ANGULAR TOL ± 1.0 °	MM	3:1						
	CHKD:	DSUN15	4 PLACES ±	DRWN BY	DATE	1X6 SFP+ CAGE. 120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET					
	REV:	APPR: RCHEN08	3 PLACES ±	CHKD BY	DATE	PRODUCT CUSTOMER DRAWING					
			2 PLACES ± 0.13	DSUN15	2017/04/27	SERIES MATERIAL NUMBER CUSTOMER					
		1 PLACE ± 0.25	APPR BY	DATE	111112 SEE SHEET 4 GENERAL MARKET						
		0 PLACES ±	RCHEN08	2017/05/03	DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION	1111122610 PSD ASY 6 OF 9						
E			C								

# POLYIMIDE INSULATOR COVERAGE AREA

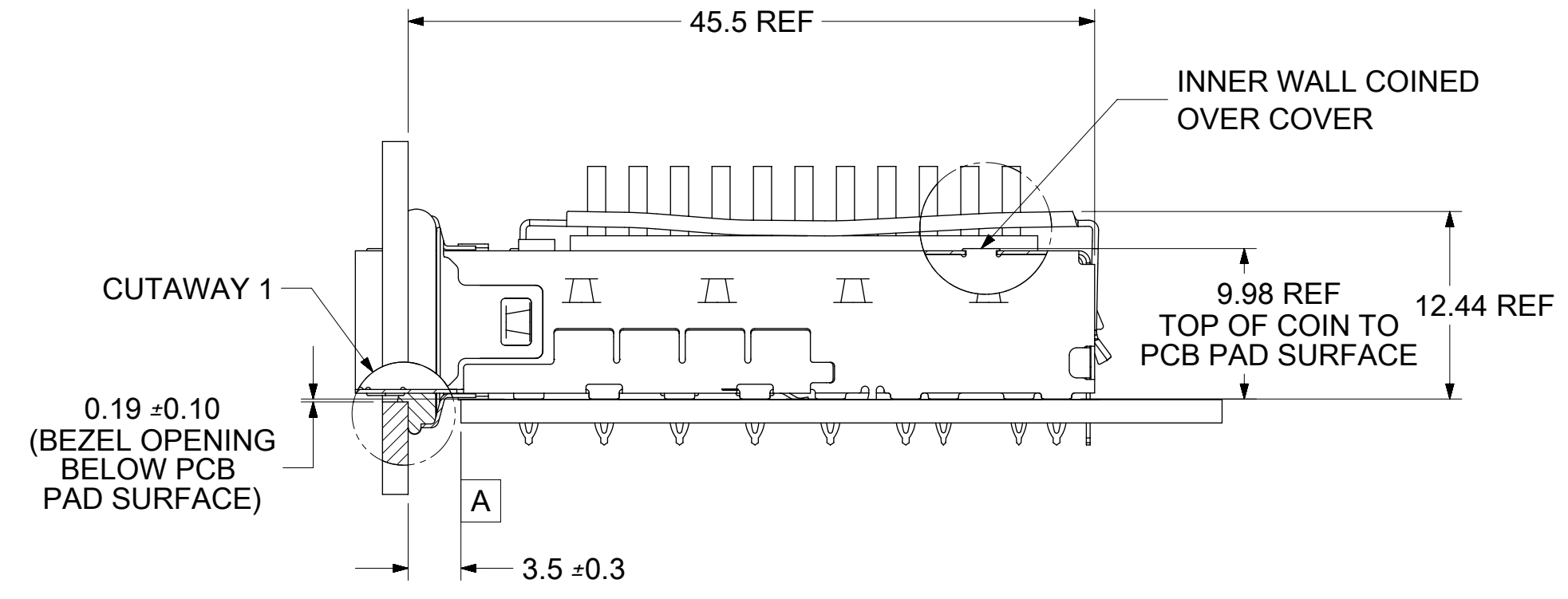
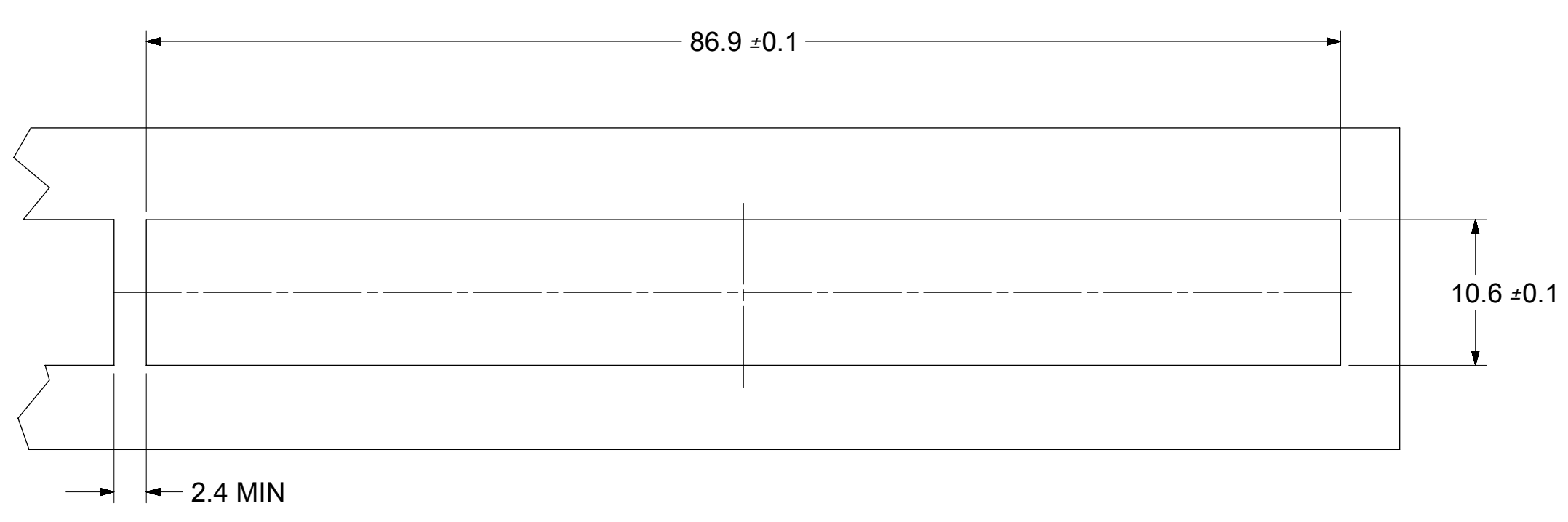
(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)



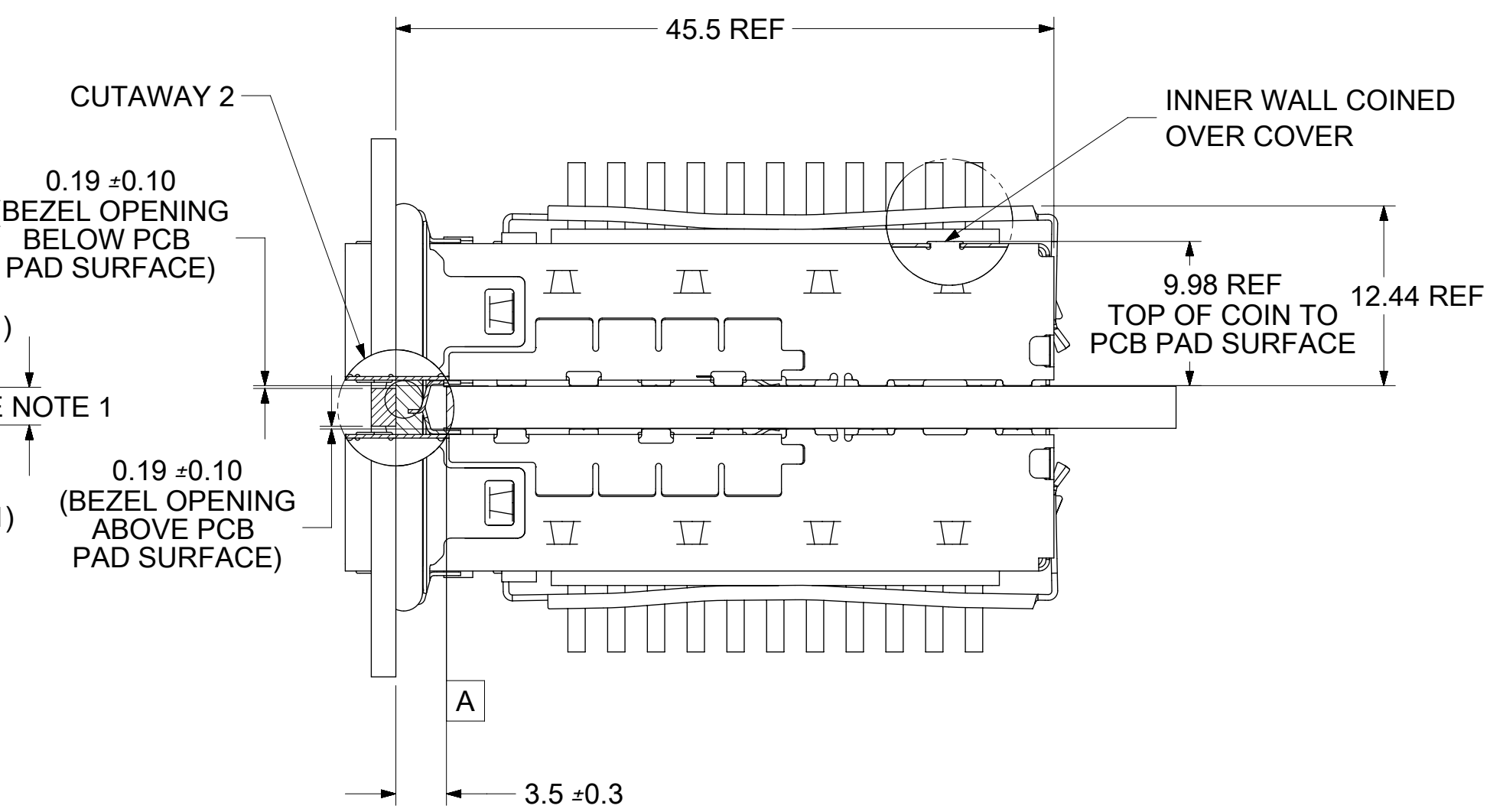
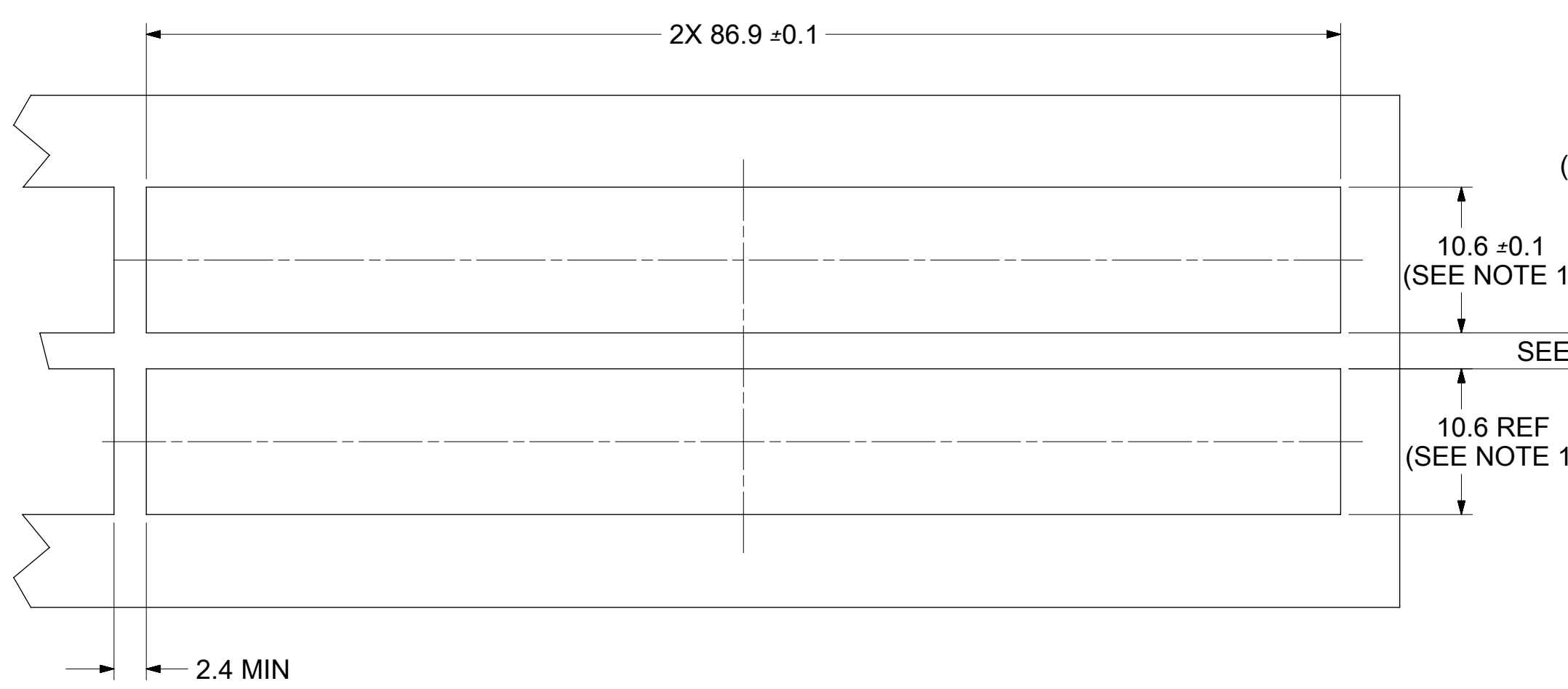
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SEE REVISION TABLE EC NO: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV / APPR: RCHEN08	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	
	ANGULAR TOL ± 1.0 °		MM	4:1	
	4 PLACES ±	DRWN BY	DATE		
	3 PLACES ±	MHANUMAPPARE	2017/02/27		
	2 PLACES ± 0.13	CHKD BY	DATE		
1 PLACE ± 0.25	DSUN15	2017/04/27			
0 PLACES ±	APPR BY	DATE			
	RCHEN08	2017/05/03			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION		
		C			
		SERIES	MATERIAL NUMBER	CUSTOMER	
		111112	SEE SHEET 4	GENERAL MARKET	
		DOCUMENT NUMBER		DOC TYPE	DOC PART SHEET NUMBER
		1111122610		PSD	ASY 7 OF 9

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



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




**NOTE:**  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

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: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV: APPR: RCHEN08	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE					
	ANGULAR TOL ± 1.0 °			MM		2.5:1					
	4 PLACES ±		DRWN BY		DATE		1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET				
	3 PLACES ±		MHANUMAPPARE		2017/02/27						
	2 PLACES ± 0.13		CHKD BY		DATE		PRODUCT CUSTOMER DRAWING				
	1 PLACE ± 0.25		DSUN15		2017/04/27						
0 PLACES ±		APPR BY		DATE		SERIES		MATERIAL NUMBER		CUSTOMER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		RCHEN08		2017/05/03		111112		SEE SHEET 4		GENERAL MARKET	
DRAWING SIZE		THIRD ANGLE PROJECTION		C		DOCUMENT NUMBER		DOC TYPE		DOC PART SHEET NUMBER	
E		C		1111122610		PSD		ASY		8 OF 9	



REV	DATE	DESCRIPTION
A	2012/12/03	1. INITIAL RELEASE
B	2013/02/01	1. REMOVED EMI GASKET FROM TOP, @J16, AND RIGHT SIDE, @E8, VIEWS FOR CLARITY. ADDED EMI GASKET UNCOMPRESSED OVERALL DIMENSIONS TO FRONT VIEW, @E16. ADDED FINISHED ASSEMBLY PRINTED PN/DATE CODE, 9.83 REF DIMENSION TO SIDE VIEW, REMOVED EMI GASKET FOR CLARITY, @E8. ADDED BACK VIEW, @E2, ADDED INNER WALL WELD NOTE. REMOVED BELLY ISO VIEW. CAHNGED DIMENSION "9.83 REF" TOP OF CAGE TO "9.98 REF" TOP OF COIN. MOVED MIN PCB THICKNESS NOTE TO RESPECTIVE PCB LAYOUT SHEETS, REMOVED INSERTION FORCE FROM NOTE 2. MOVED OPEN TOP VIEW & CUTOUT DIMENSIONS TO SHEET 2. (SHEET 1) 2. ADDED "REAR LEG OPTIONS" SECTION, @B16. REMOVED CAGES FROM HEATSINK OPTIONS VIEWS & UPDATED TABLES, @J2, J6 & J11. MOVED VIEW FROM I16 TO F10. ADDED ISO VIEW TO IDENTIFY UNDER BELLY GASKET @F4, TOP VIEW OF OPEN TOP & DIMENSIONS @J16. (SHEET 2) 3. ADDED PN'S 747540610, 747540611, 747540613 & 1111110610 ADDING VIEWS AND PN TABLES. ADDED "SFP+" TO TABLES (SHEET 3) 4. REMOVED BASIC TOLERANCE FROM DIMENSION 35.4 TYP, @F8. ADDED MIN PCB THICKNESS NOTE. (SHEET 4) 5. REMOVED BASIC TOLERANCE FROM DIMENSION 35.4 TYP, @F5. ADDED MIN PCB THICKNESS NOTE. (SHEET 5) 6. REMOVED SINGLE SIDED VIEW AND ADDED APPLICATION NOTE TO TOP OF SHEET. (SHEET 6) 7. CHANGED TOLERANCE ON DIMENSIONS 0.19 TO 0.19 ±0.10, @D9 & F9. ADDED CENTER LINES TO BEZELS. REMOVED CUTAWAY 2 & 4 SIDE VIEWS, RENAMED CUTAWAY 3 TO CUTAWAY 2. REMOVED "10.03 TYP" DIMENSIONS FROM SIDE VIEWS. REMOVED "SEE NOTE 1" FROM 10.6 ±0.1 BEZEL OPENING SIZE DIMENSIONS @D10, F10 & K10. REMOVED "SIZE AND" FROM NOTE 1. (SHEET 7) 7. MOVED NOTES TO BOTTOM LEFT CORNER AND INCREASED TEXT HEIGHT. (SHEETS 1, 4, 5 & 7)
C	2013/02/14	1. ADDED BASIC DIMENSIONS 19.5 @H8, 29.5 @G8 & 39.5 @F8 BACK TO SINGLE SIDED PCB LAYOUT. (SHEET 4) 2. CORRECTED 3D MODEL CHANGING DIMENSION 12.53 TO 12.44 @K1 & F1. (SHEET 7) 3. CHANGED DIMENSION IN TITLE BLOCK TO MM ONLY. (ALL SHEETS)
D	2014/03/10	1. REMOVED PN/DATE CODE FROM RIGHT VIEW @E9 AND ADDED TO BACK VIEW @E6. (SHEET 1) 2. REPLACED ISO VIEW @E4 WITH RIGHT VIEW WITH PN/DATE CODE. (SHEET 2) 3. ADDED NEW SHEET 3 WITH OPTIONAL GEN 2 UNDER BELLY GASKET VIEWS. (SHEET 3) 4. RENUMBERED 3-8 TO MAKE THE SHEETS TOTAL 9 5. REMOVED ISO VIEW 1111110610 AND REPLACED WITH ISO VIEW 1001150610 @F13 (SHEET 4)
E	2017/02/27	1. REMASTERED FROM SD-111112-2610 REV_D TO 1111122610 PSD ASY REV_E IN NX

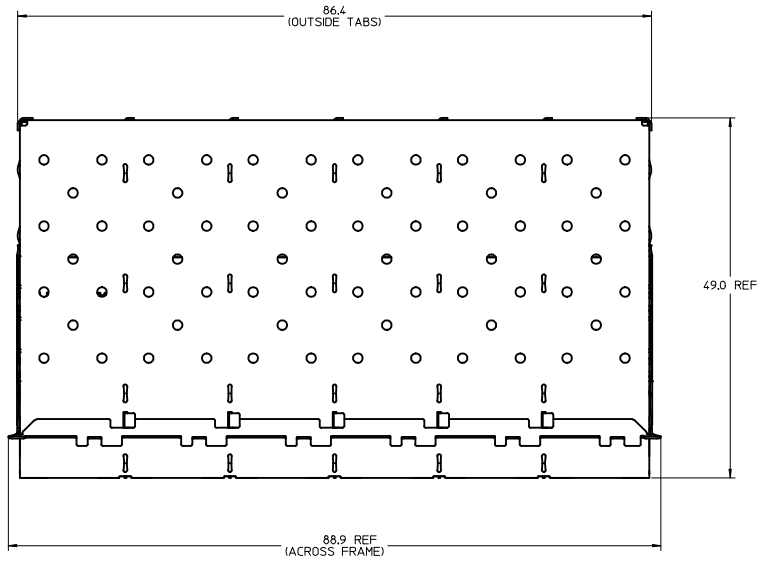
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SEE REVISION TABLE EC NO: 116175 DRWN: MHANUMAPPARE CHKD: DSUN15 REV: APPR: RCHEN08	2017/02/27	2017/04/27	2017/05/03	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS MM	SCALE 1:1	  1X6 SFP+ CAGE. 120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET  PRODUCT CUSTOMER DRAWING	
	DRWN BY	DATE	DATE		DRWN BY	DATE		DATE
	MHANUMAPPARE	2017/02/27	2017/04/27		DSUN15	2017/04/27		2017/05/03
	CHKD BY	DATE	DATE		APPR BY	DATE		DATE
	RCHEN08	2017/05/03	2017/05/03		RCHEN08	2017/05/03		2017/05/03
	DRAWING SIZE C	THIRD ANGLE PROJECTION			SERIES 111112	MATERIAL NUMBER SEE SHEET 4		CUSTOMER GENERAL MARKET
DOCUMENT NUMBER 1111122610			DOC TYPE PSD	DOC PART ASY	SHEET NUMBER 9 OF 9			

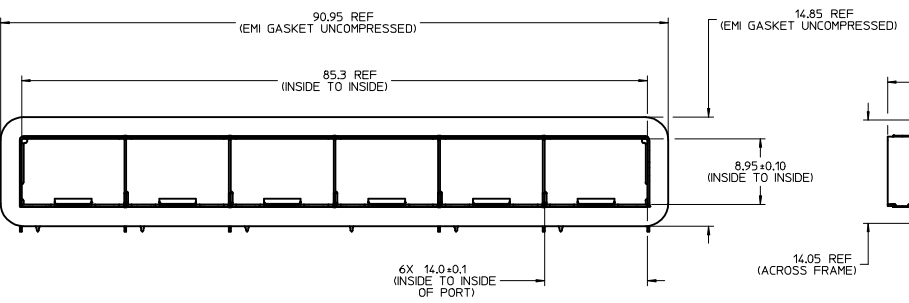
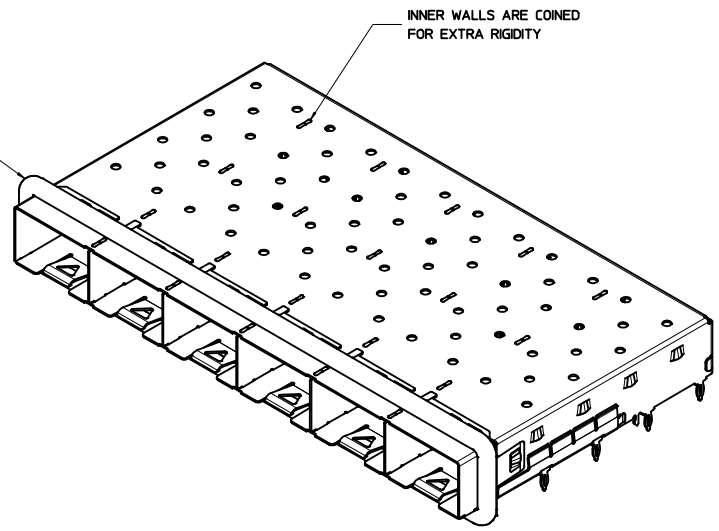
### BASE CAGE DETAILS (APPLIES TO ALL CAGES IN THIS DRAWING)

**747540610**

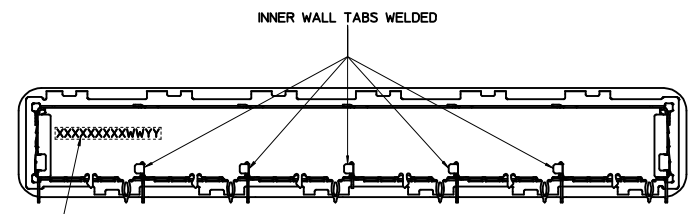
SHOWN



NOTE:  
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



NOTE:  
EMI GASKET REMOVED FROM THIS VIEW FOR CLARITY.



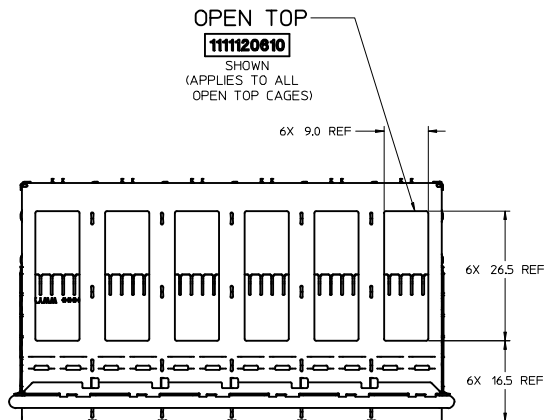
WEEK/YEAR DATE CODE TABLE	
WW	01 THRU 52 OR 53 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2019 = 19

- 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 [.120 INCH] 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.

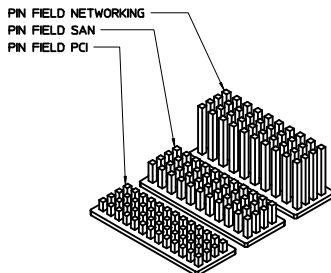
<b>SEE REVISION TABLE</b> IEC NO: CPG2014-2832 DRAWN: WALLACE01 2014/03/10 CHECKED: GARBELLA 2014/03/14 APPR: KLOYD 2014/03/25	<b>QUALITY SYMBOLS</b> ∇=0 ∇=0 ∇=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> mm INCH		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>3:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±--- 0 PLACE ±--- ±---	DRAWN BY JHATTON	DATE 2012/12/03	TITLE <b>1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET</b>		
		ANGULAR ±--- ±--- DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY MCKERVEY	DATE 2012/12/07	MATERIAL NO. <b>SEE SHEET 4</b>		
		SEE SHEET 4	DATE 2012/12/20	DOCUMENT NO. <b>SD-11112-2610</b>	SHEET NO. 1 OF 9		

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

### CAGE ASSEMBLY OPTIONS



#### HEATSINK OPTIONS

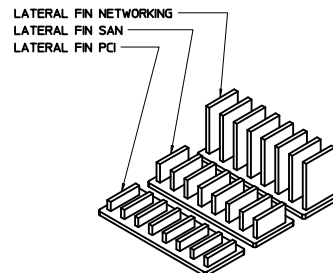


#### OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

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

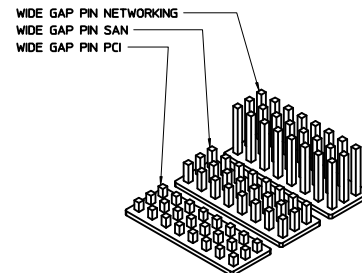
#### HEATSINK OPTIONS



#### OVERALL HEATSINK HEIGHT

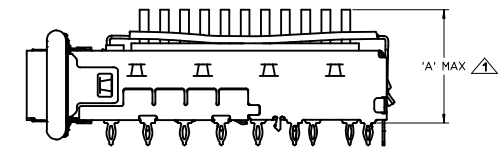
APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

#### HEATSINK OPTIONS

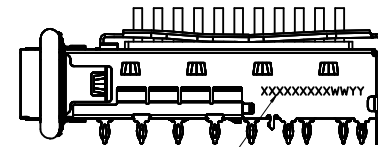
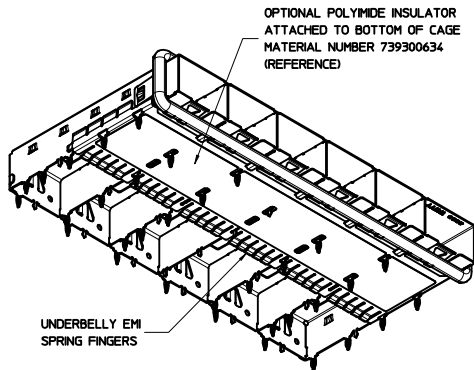


#### OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

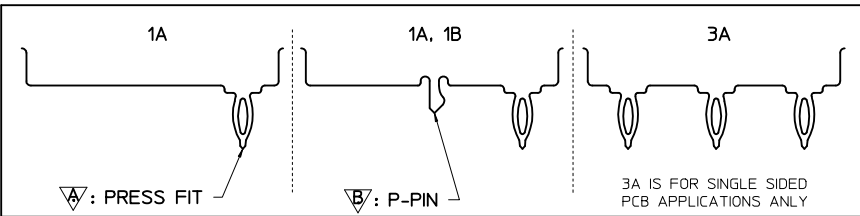


NOTES:  
 △ HEIGHT OF HEATSINK WITH MODULE INSERTED.  
 DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.



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

### REAR LEG OPTIONS (PER PORT)

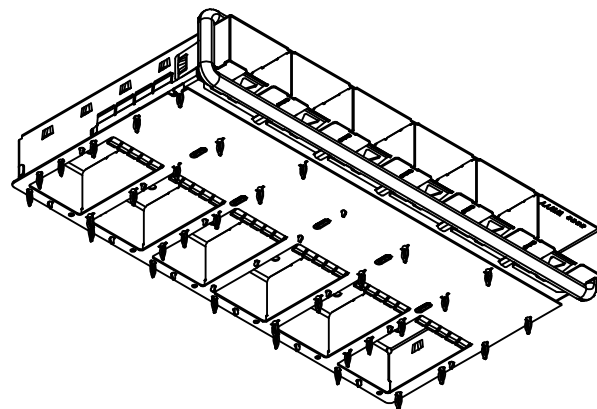
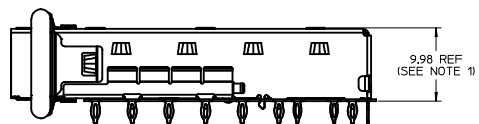
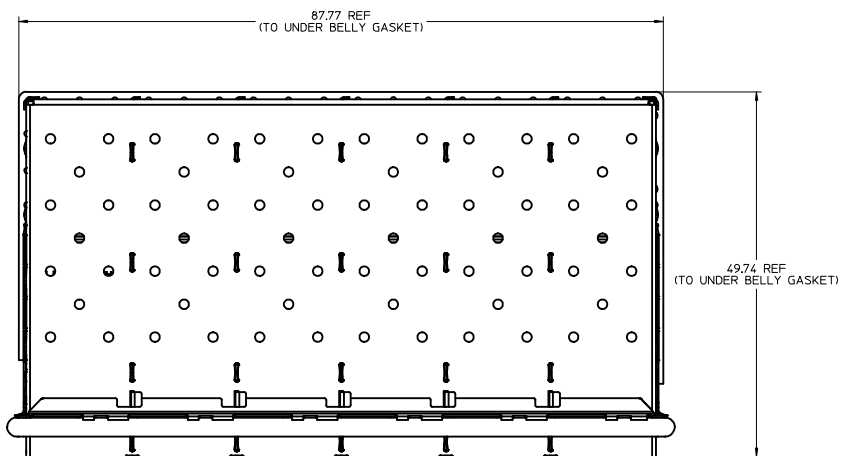


SEE REVISION TABLE	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
IEC NO: CPG2014-2832 DRAWN: MALLACCI 2014/03/10 CHYK: GARBELLA 2014/03/14 APPR: K LLOYD 2014/03/25	▽=0 ▽=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	MM ONLY	2:1	METRIC	DRAWN BY DATE JHATTON 2012/12/03 CHECKED BY DATE MCKERVEY 2012/12/07 APPROVED BY DATE K LLOYD 2012/12/20 MATERIAL NO. SEE SHEET 4 DOCUMENT NO. SD-111112-2610
		ANGULAR ± --- DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				TITLE 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET molex SHEET NO. 2 OF 9
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

# OPTIONAL GEN 2 UNDER BELLY GASKET

1001150610

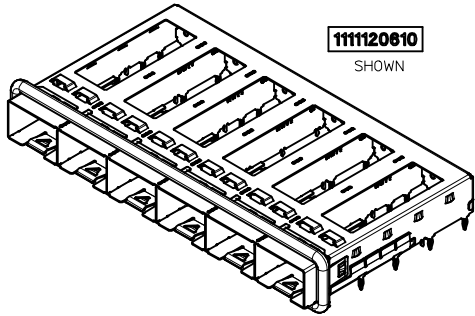
SHOWN



**NOTE:**  
1. CAGE LEG STANDOFF WILL PIERCE GASKET WHEN PROPERLY PRESSED INTO PCB

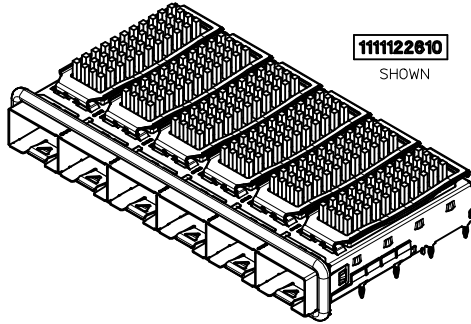
<b>ENTER DESCRIPTION</b> IEC NO: CPG2014-2832 DRAWN: WALLACE 2014/03/10 CHKD: BARDELLA 2014/03/14 APPR: KLOYD 2014/03/25	<b>QUALITY SYMBOLS</b> ∇=0 ∇=0 ∇=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> 3:1	<b>DESIGN UNITS</b> METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± mm ± INCH	3 PLACES ± --- ± ---	DRAWN BY JHATTON	DATE 2012/12/03	<b>TITLE</b> 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET		
		2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	CHECKED BY MMCKERVEY	DATE 2012/12/07	<b>molex</b>		
		0 PLACE ± --- ± ---	ANGULAR ± ---	APPROVED BY KLOYD	DATE 2012/12/20	MATERIAL NO. SEE SHEET 4	DOCUMENT NO. SD-111112-2610	SHEET NO. 3 OF 9
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						

PART NUMBER SELECTION



**111120610**  
SHOWN

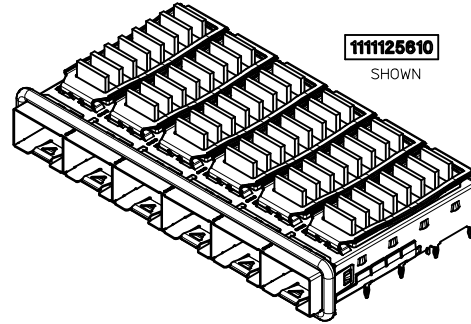
SFP+ OPEN TOP BASE CAGE FOR HEATSINKS			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111120610	---	---	1A, 1B
1111120650	YES	---	1A, 1B



**111122610**  
SHOWN

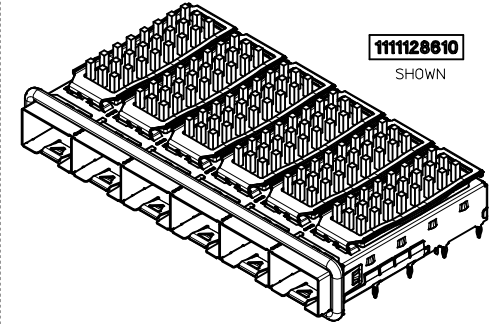
SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111121610	---	PCI	1A, 1B
1111121650	YES	PCI	1A, 1B
1111122610	---	SAN	1A, 1B
1111122650	YES	SAN	1A, 1B
1111123610	---	NET	1A, 1B
1111123650	YES	NET	1A, 1B

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



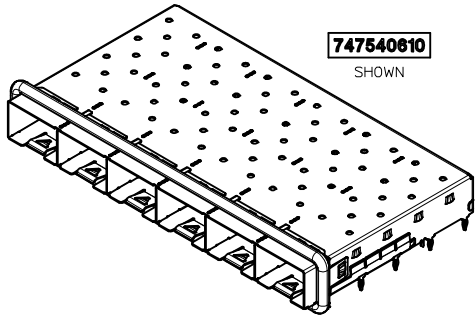
**111125610**  
SHOWN

SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111124610	---	PCI	1A, 1B
1111124650	YES	PCI	1A, 1B
1111125610	---	SAN	1A, 1B
1111125650	YES	SAN	1A, 1B
1111126610	---	NET	1A, 1B
1111126650	YES	NET	1A, 1B



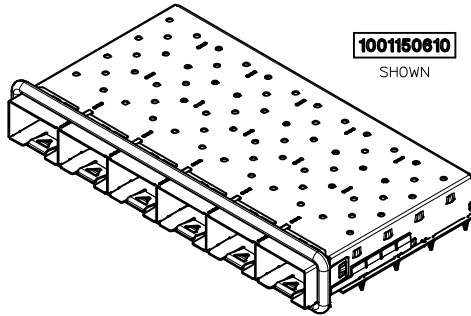
**111128610**  
SHOWN

SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1111127610	---	PCI	1A, 1B
1111127650	YES	PCI	1A, 1B
1111128610	---	SAN	1A, 1B
1111128650	YES	SAN	1A, 1B
1111129610	---	NET	1A, 1B
1111129650	YES	NET	1A, 1B



**747540610**  
SHOWN

SFP+ CLOSED TOP CAGE			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
747540610	---	---	1A, 1B
747540611	---	---	3A
747540613	---	---	1A, 1B



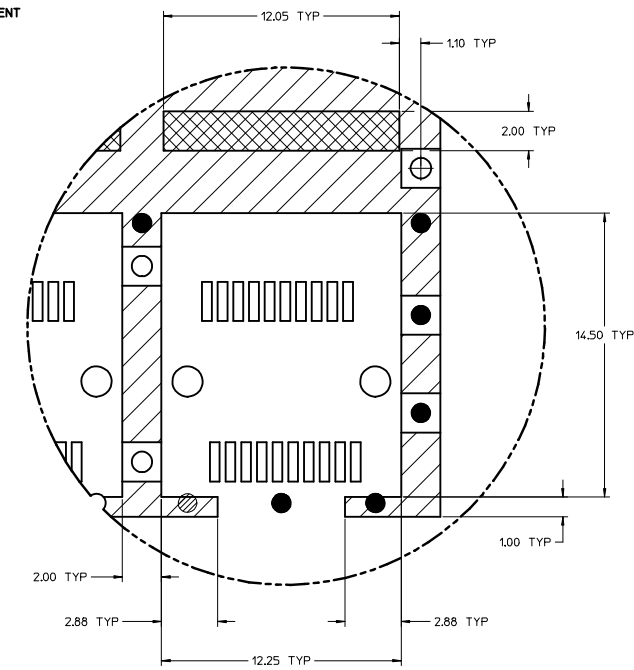
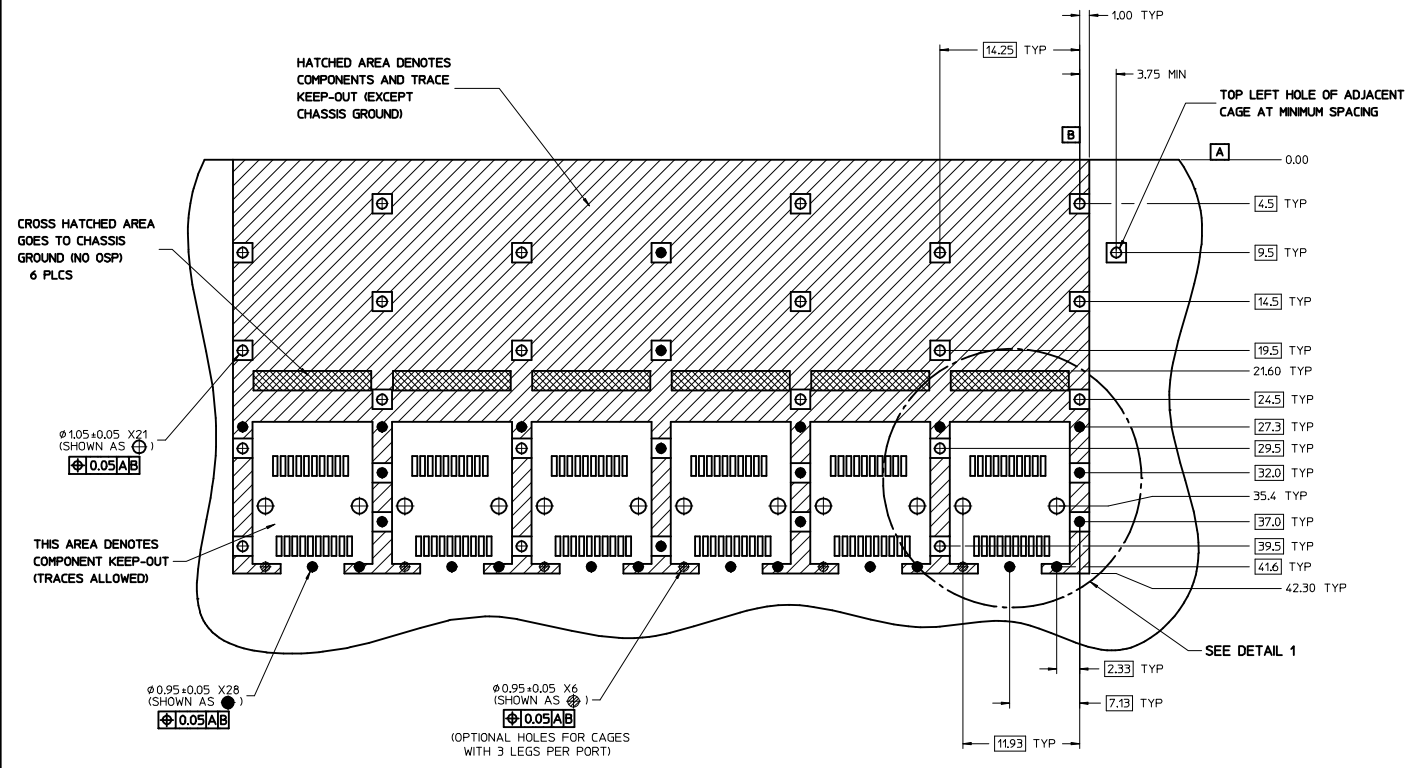
**1001150610**  
SHOWN

zSFP+ GEN 2 CLOSED TOP BASE CAGE			
PART NO.	POLYIMIDE INSULATOR	HEATSINK	# OF REAR LEGS PER PORT
1001150610	---	---	1A, 1B

<b>SEE REVISION TABLE</b> IEC NO: CPG2014-2832 DRAWN: WALLACE 2014/03/10 CHECKED: MARGARELLA 2014/03/14 APPROVED: KLOYD 2014/03/25 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	∇=0 ∇=0 ∇=0	mm INCH	MM ONLY	2:1	METRIC	TITLE 1X6 SFP+ CAGE, 120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET <b>molex</b> DOCUMENT NO. SD-111112-2610
	4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.13 ±--- 1 PLACE ±0.25 ±--- 0 PLACE ±--- ±---	ANGULAR ±--- DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: JHATTON DATE: 2012/12/03 CHECKED BY: DATE: MCKERVEY 2012/12/07 APPROVED BY: DATE: KLOYD 2012/12/20	MATERIAL NO. <b>SEE TABLE</b>	SHEET NO. 4 OF 9	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PCB LAYOUT - SINGLE SIDE ONLY

HOST CONNECTOR DETAIL



DETAIL 1  
Scale 8:1

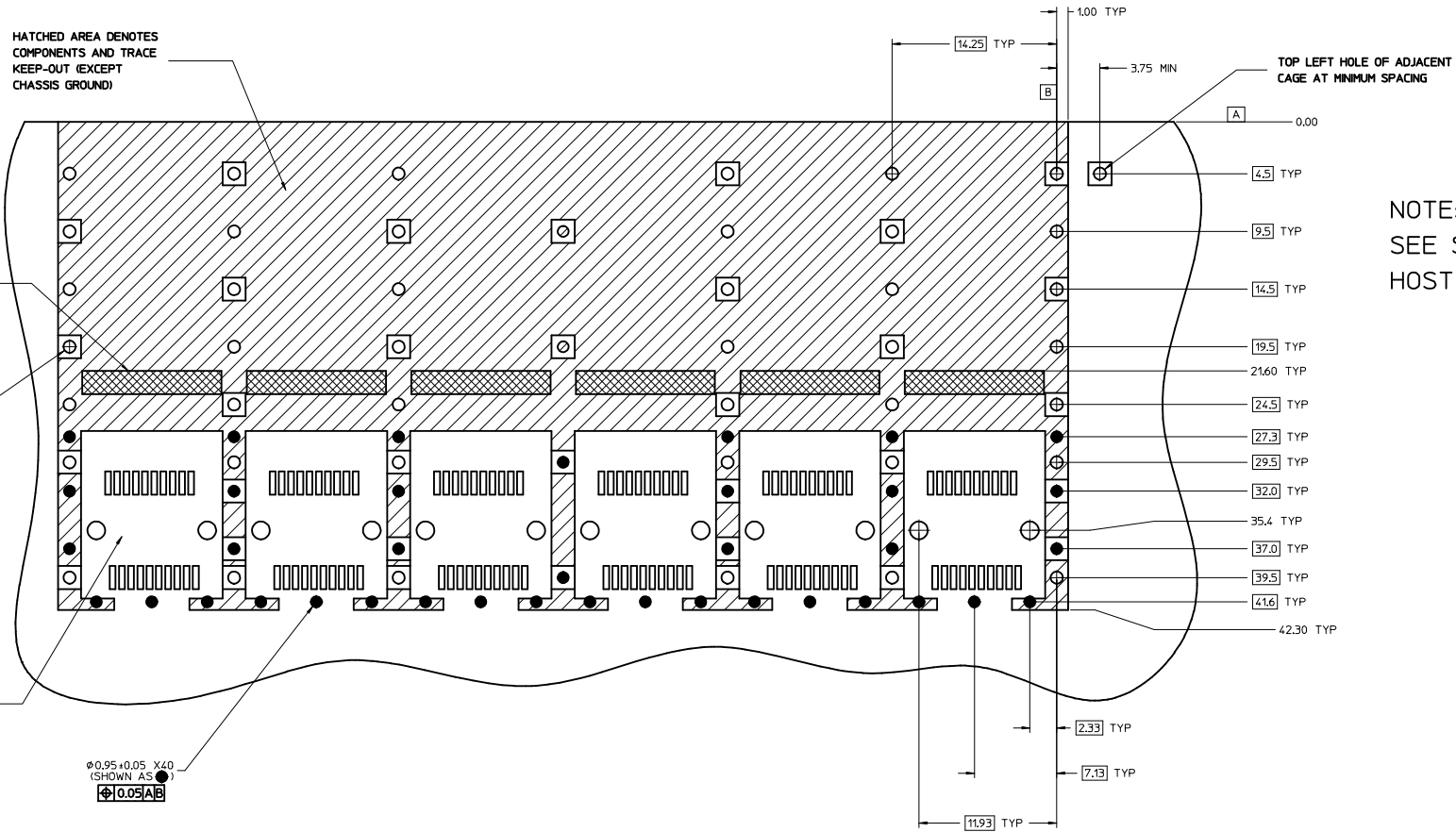
- NOTES:
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMENDED PADS TO BE 2.00mm SQUARE).
  2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
  3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
  4. HOLE PATTERN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

SEE REVISION TABLE IEC NO: CPG2014-2832 DRWN: WALLACE01 2014/03/10 CHYD: BARRELLA 2014/03/14 APPR: K LLOYD 2014/03/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	4:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---				
	▽=0	3 PLACES ± 0.13 ± ---				
		ANGULAR ± ---				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			DRAWN BY DATE			
			JHATTON 2012/12/03			
			CHECKED BY DATE			
			MMCKERVEY 2012/12/07			
			APPROVED BY DATE			
			K LLOYD 2012/12/20			
			MATERIAL NO.	DOCUMENT NO.		
			SEE SHEET 4	SD-111112-2610		
			SIZE			
			D 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

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



NOTE:  
SEE SHEET 5 FOR  
HOST CONNECTOR DETAIL

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

CROSS HATCHED AREA GOES TO CHASSIS GROUND (NO OSP) 6PLC

$\phi 1.05+0.05 \text{ X}42$  (SHOWN AS  $\oplus$ )  $\pm 0.05 \text{ AB}$

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

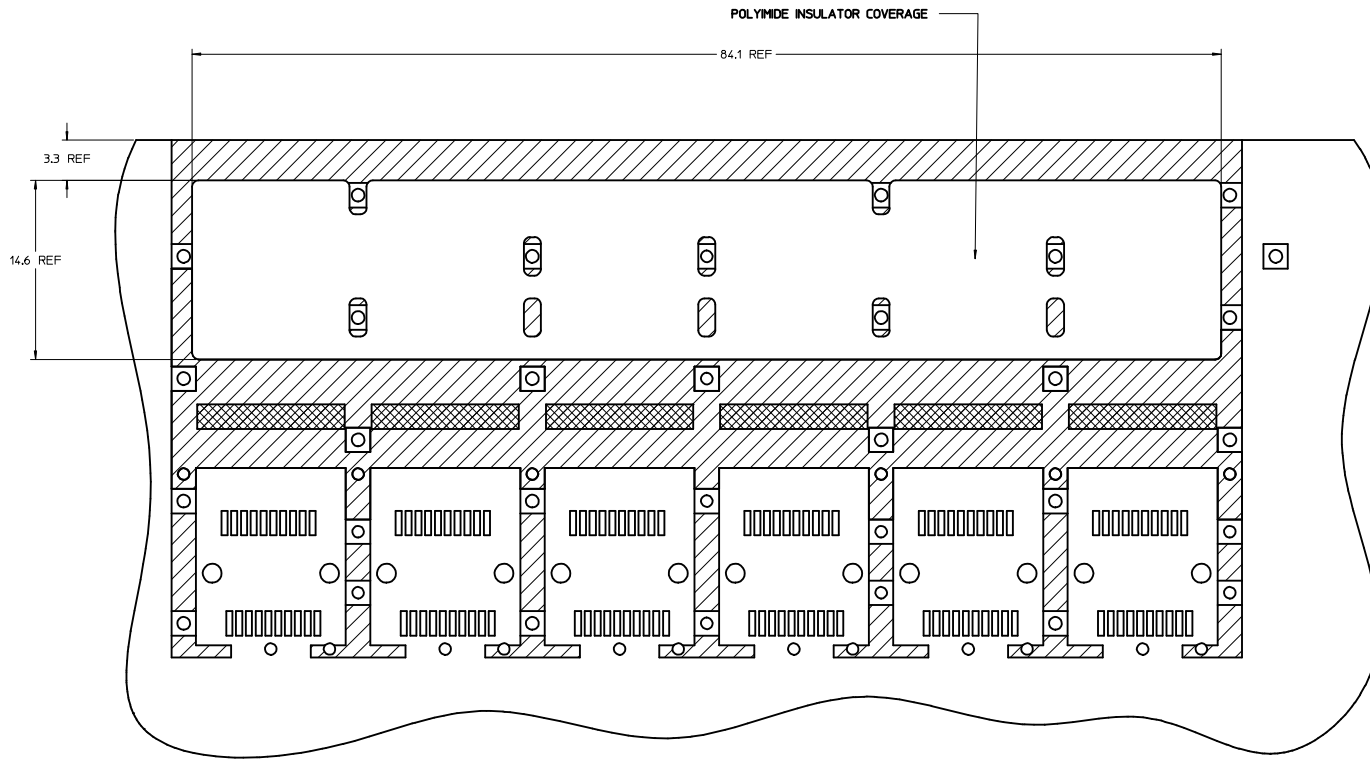
$\phi 0.95+0.05 \text{ X}40$  (SHOWN AS  $\bullet$ )  $\pm 0.05 \text{ AB}$

- 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. MIN PCB THICKNESS FOR BELLY TO BELLY USE: 3.00mm [0.118"]

<b>SEE REVISION TABLE</b> IEC NO: CPG2014-2832 DRAWN: WALLACE 2014/03/10 CHECKED: GARRELLA 2014/03/14 APPR: KLOYD 2014/03/25	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 ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	MM ONLY	5:1	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± --- SIZE D	DRAWN BY: JHATTON CHECKED BY: MCKERVEY APPROVED BY: KLOYD DATE: 2012/12/03 DATE: 2012/12/07 DATE: 2012/12/20	TITLE: 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET MATERIAL NO.: SEE SHEET 4 DOCUMENT NO.: SD-111112-2610	SHEET NO.: 6 OF 9	
	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

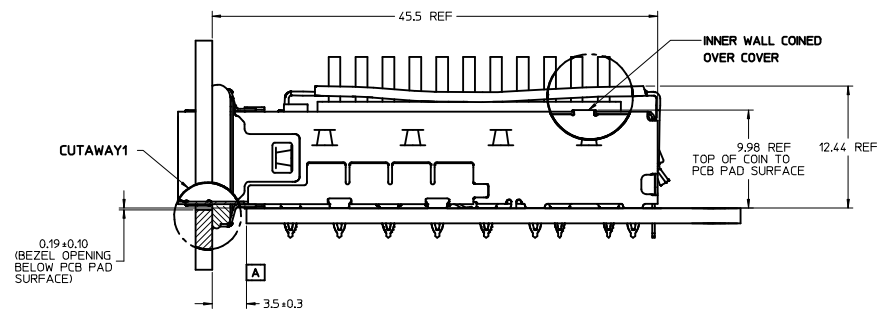
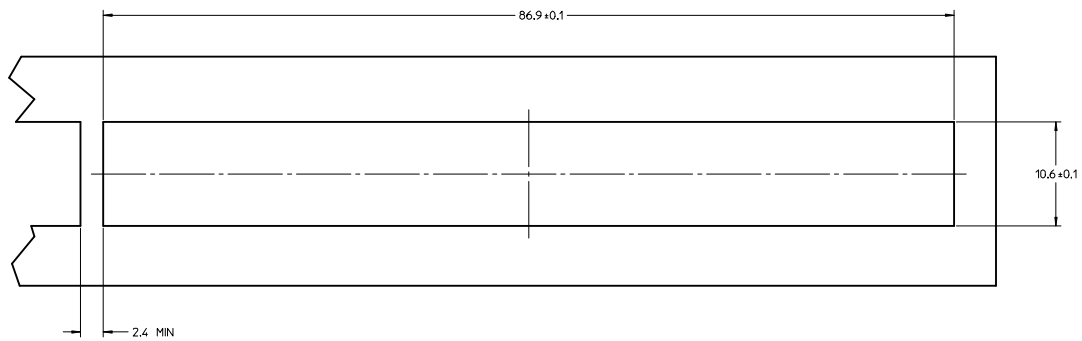
POLYIMIDE INSULATOR COVERAGE AREA  
(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)



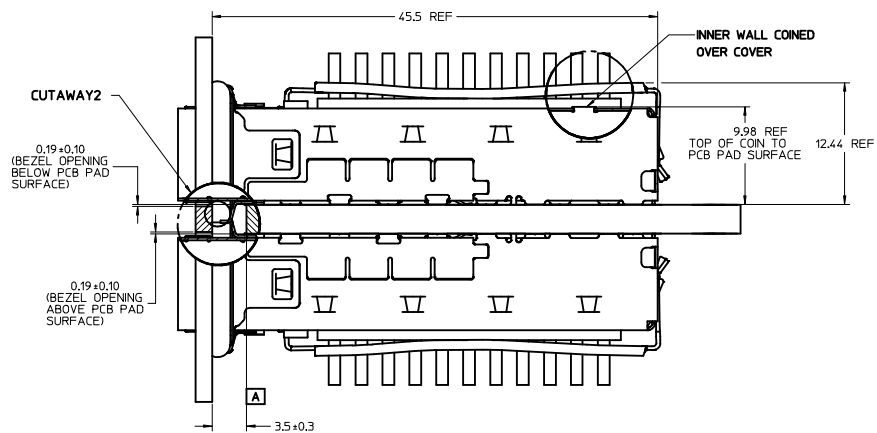
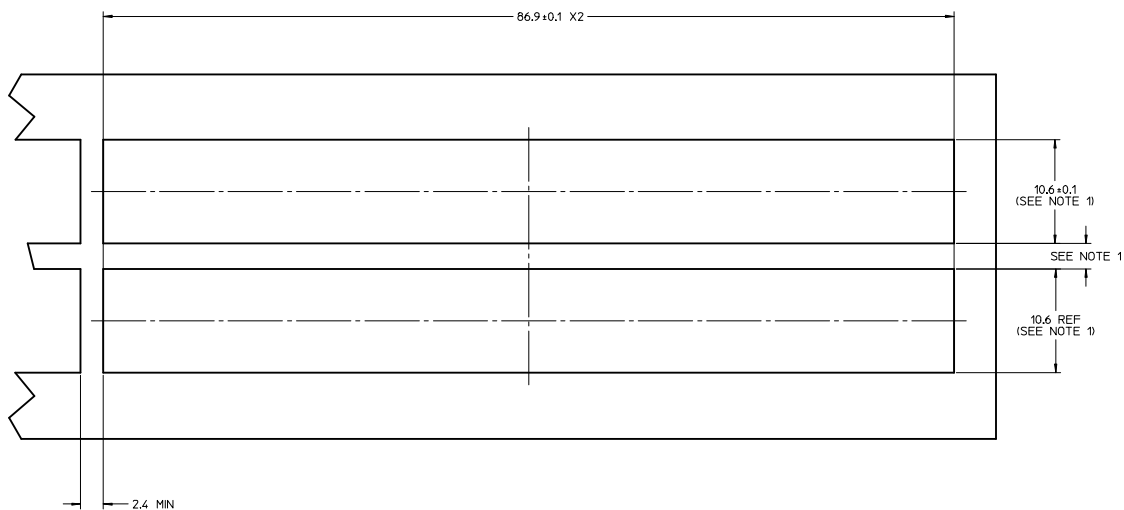
<b>SEE REVISION TABLE</b> IEC NO: CPG2014-2832 DRAWN: WALLACE 2014/03/10 CHECKED: GARBELLA 2014/03/14 APPR: KLOYD 2014/03/25	<b>QUALITY SYMBOLS</b> ∇=0 ∇=0 ∇=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY	<b>SCALE</b> 5:1	<b>DESIGN UNITS</b> METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY JHATTON	DATE 2012/12/03	TITLE 1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET		
				CHECKED BY MCKERVEY	DATE 2012/12/07	MATERIAL NO. SEE SHEET 4		
				APPROVED BY KLOYD	DATE 2012/12/20	DOCUMENT NO. SD-111112-2610		
		ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 7 OF 9		
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  
(ELASTOMERIC GASKET)



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

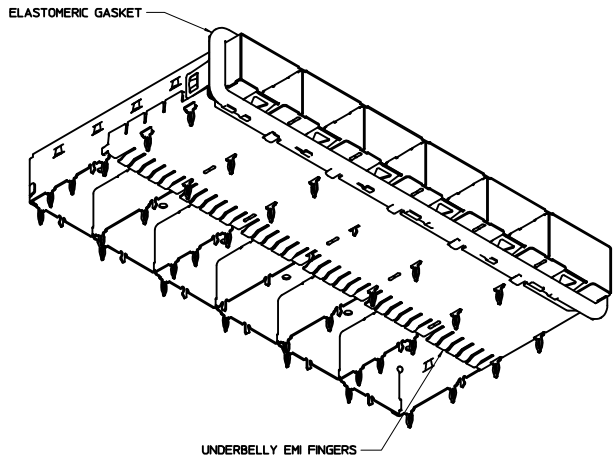
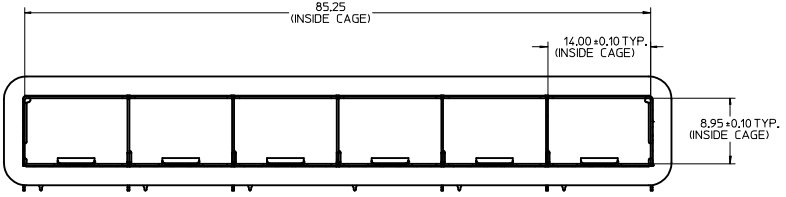
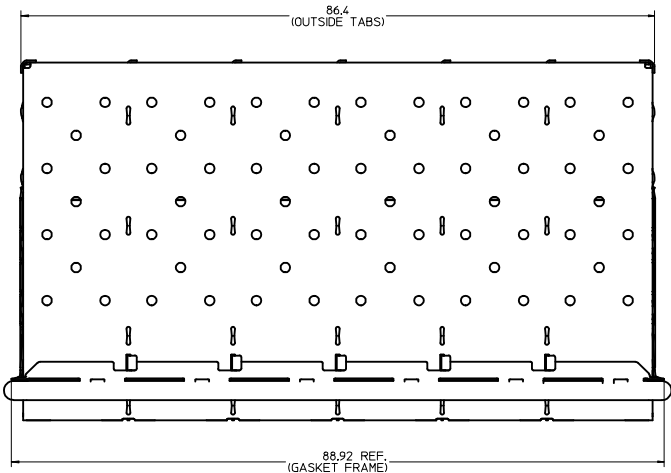


NOTE:  
1. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING LOCATION.

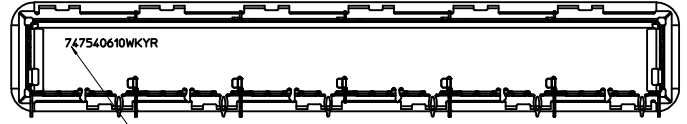
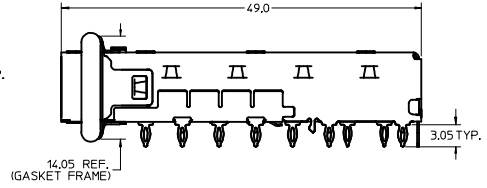
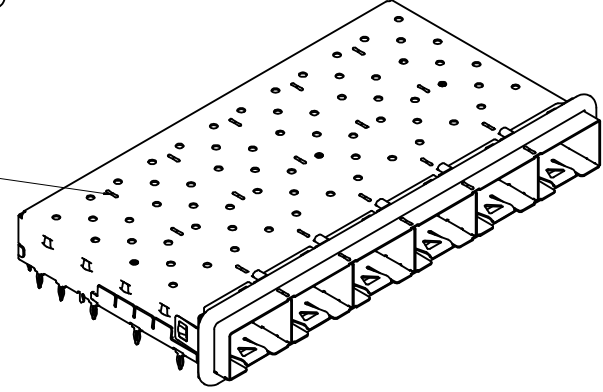
<b>SEE REVISION TABLE</b> IEC NO: CPG2014-2832 DRAWN: MALLACCI 2014/03/10 CHECKED: GARIBELLA 2014/03/14 APPR: KLOYD 2014/03/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	4:1	METRIC	☉
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± ---	JHATTON 2012/12/03	1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET		
▽=0	2 PLACES ± 0.13 ± ---	CHECKED BY DATE	MATERIAL NO.			
▽=0	1 PLACE ± 0.25 ± ---	MCKERVEY 2012/12/07	SD-111112-2610			
▽=0	0 PLACE ± --- ± ---	APPROVED BY DATE	DOCUMENT NO.			
	ANGULAR ± ---	KLOYD 2012/12/20	SEE SHEET 4			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 8 OF 9			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

DATE	REV	DESCRIPTION
2012/12/03	A	1. INITIAL RELEASE
2013/02/01	B	1. REMOVED EMI GASKET FROM TOP, @J16, AND RIGHT SIDE, @E8, VIEWS FOR CLARITY. ADDED EMI GASKET UNCOMPRESSED OVERALL DIMENSIONS TO FRONT VIEW, @E16. ADDED FINISHED ASSEMBLY PRINTED PN/DATE CODE, 9.83 REF DIMENSION TO SIDE VIEW, REMOVED EMI GASKET FOR CLARITY, @E8. ADDED BACK VIEW, @E2, ADDED INNER WALL WELD NOTE. REMOVED BELLY ISO VIEW. CAHNGED DIMENSION '9.83 REF' TOP OF CAGE TO '9.98 REF' TOP OF COIN. MOVED MIN PCB THICKNESS NOTE TO RESPECTIVE PCB LAYOUT SHEETS, REMOVED INSERTION FORCE FROM NOTE 2. MOVED OPEN TOP VIEW & CUTOUT DIMENSIONS TO SHEET 2. (SHEET 1) 2. ADDED 'REAR LEG OPTIONS' SECTION, @B16. REMOVED CAGES FROM HEATSINK OPTIONS VIEWS & UPDATED TABLES, @J2, J6 & J11. MOVED VIEW FROM I16 TO F10. ADDED ISO VIEW TO IDENTIFY UNDER BELLY GASKET @F4, TOP VIEW OF OPEN TOP & DIMENSIONS @J16. (SHEET 2) 3. ADDED PN'S 747540610, 747540611, 747540613 & 1111110610 ADDING VIEWS AND PN TABLES. ADDED 'SFP+' TO TABLES (SHEET 3) 4. REMOVED BASIC TOLERANCE FROM DIMENSION 35.4 TYP, @F8. ADDED MIN PCB THICKNESS NOTE. (SHEET 4) REMOVED BASIC TOLERANCE FROM DIMENSION 35.4 TYP, @F5. ADDED MIN PCB THICKNESS NOTE. (SHEET 5) 5. REMOVED SINGLE SIDED VIEW AND ADDED APPLICATION NOTE TO TOP OF SHEET. (SHEET 6) 6. CHANGED TOLERANCE ON DIMENSIONS 0.19 TO 0.19 ±0.10, @D9 & F9. ADDED CENTER LINES TO BEZELS. REMOVED CUTAWAY 2 & 4 SIDE VIEWS, RENAMED CUTAWAY 3 TO CUTAWAY 2. REMOVED '10.03 TYP' DIMENSIONS FROM SIDE VIEWS. REMOVED 'SEE NOTE 1' FROM 10.6 ±0.1 BEZEL OPENING SIZE DIMENSIONS @D10, F10 & K10. REMOVED 'SIZE AND' FROM NOTE 1. (SHEET 7) 7. MOVED NOTES TO BOTTOM LEFT CORNER AND INCREASED TEXT HEIGHT. (SHEETS 1, 4, 5 & 7)
2013/02/14	C	1. ADDED BASIC DIMENSIONS 19.5 @H8, 29.5 @G8 & 39.5 @F8 BACK TO SINGLE SIDED PCB LAYOUT. (SHEET 4) 2. CORRECTED 3D MODEL CHANGING DIMENSION 12.53 TO 12.44 @K1 & F1. (SHEET 7) 3. CHANGED DIMENSION IN TITLE BLOCK TO MM ONLY. (ALL SHEETS)
2014/03/10	D.	1. REMOVED PN/DATE CODE FROM RIGHT VIEW @E9 AND ADDED TO BACK VIEW @E6. (SHEET 1) 2. REPLACED ISO VIEW @E4 WITH RIGHT VIEW WITH PN/DATE CODE. (SHEET 2) 3. ADDED NEW SHEET 3 WITH OPTIONAL GEN 2 UNDER BELLY GASKET VIEWS. (SHEET 3) 4. RENUMBERED 3-8 TO MAKE THE SHEETS TOTAL 9 5. REMOVED ISO VIEW 1111110610 AND REPLACED WITH ISO VIEW 1001150610 @F13 (SHEET 4)

SEE REVISION TABLE IEC NO: CPG2014-2832 D DRAWS/WALLACE01 2014/03/10 CHYKO/GARRELLA 2014/03/14 APPR/KLOYD 2014/03/25 REV DESCRIPTION	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	JHATTON	DATE	2012/12/03	TITLE
	▽=0	3 PLACES ±0.13 ±---	CHECKED BY	MMCKERVEY	DATE	2012/12/07	1X6 SFP+ CAGE.120 INCH PRESS FIT, HEAT SINK, ELASTOMERIC GASKET
	1 PLACE ±0.25 ±---	APPROVED BY	KLOYD	DATE	2012/12/20	<b>molex</b>	
	0 PLACE ±--- ±---	ANGULAR ±---	MATERIAL NO.	SEE SHEET 4	DOCUMENT NO.	SD-111112-2610	
	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			
						SHEET NO. 9 OF 9	



INNER WALLS ARE CONED OVER BASE AND COVER FOR EXCELLENT RIGIDITY



PART NO. AND WEEK/YEAR DATE CODE TO BE PRINTED ON BACK OF CAGE APPROXIMATELY AS SHOWN. SEE TABLE BELOW FOR DATE CODE INFORMATION.

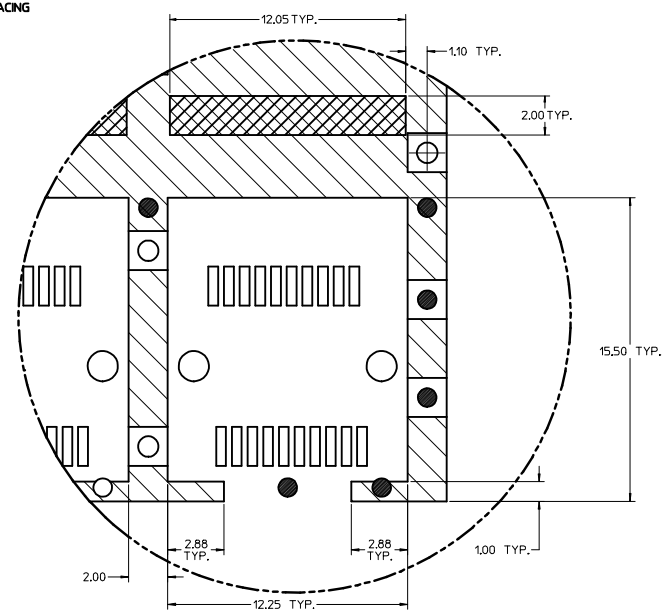
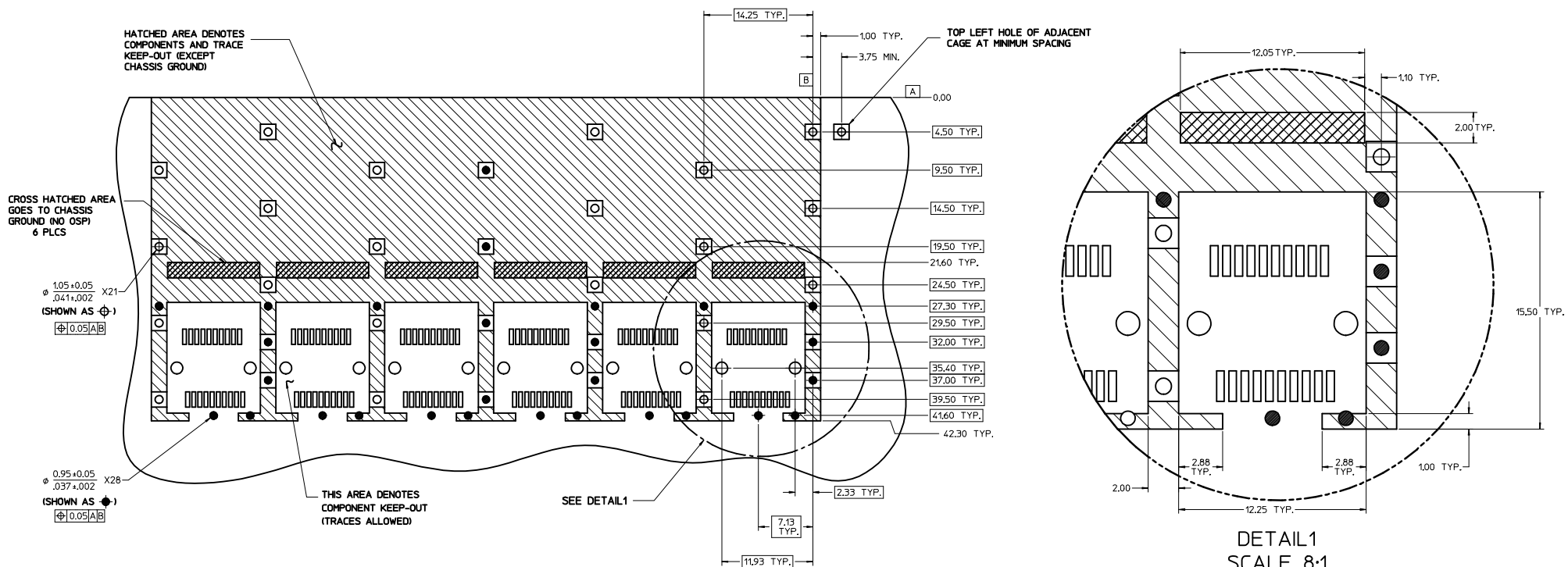
WEEK/YEAR DATE CODE TABLE		
WEEK - 01 THRU 52	EXAMPLE: 01 - FIRST WEEK OF YEAR	52 - LAST WEEK OF YEAR
YEAR - 08 OR 09, ETC.	EXAMPLE: 2008 - YEAR 08	

NOTES:

- MATERIAL:**  
CAGE: NICKEL PLATED COPPER ALLOY, THICKNESS 0.25mm  
SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm
- PRESS FIT LEGS 3.05 LONG -**  
1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE  
3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE
- OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE**
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS**
- THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC)**

REVISED IEC NO. USY2011-0268 DRAWN BY: M. INSKI 2010/10/19 CHKD: CHYK APPR: K. JANOTA 2010/10/21 REV DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± 0.15</td> <td>± 0.006</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.38</td> <td>± 0.015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.51</td> <td>± 0.020</td> </tr> </tbody> </table>			mm	INCH	4 PLACES	± 0.15	± 0.006	3 PLACES	± 0.25	± 0.010	2 PLACES	± 0.38	± 0.015	1 PLACE	± 0.51	± 0.020	DIMENSION STYLE MM ONLY		SCALE 3:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
		mm	INCH																								
	4 PLACES	± 0.15	± 0.006																								
3 PLACES	± 0.25	± 0.010																									
2 PLACES	± 0.38	± 0.015																									
1 PLACE	± 0.51	± 0.020																									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 747540610		DRAWN BY DATE CHIRSCHY 2007/05/04		CHECKED BY DATE BRUSSELL 2007/05/04		APPROVED BY DATE K.JANOTA 2010/10/21		TITLE SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET																	
SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX INCORPORATED		DOCUMENT NO. SD-74754-0610		SHEET NO. 1 OF 4																			

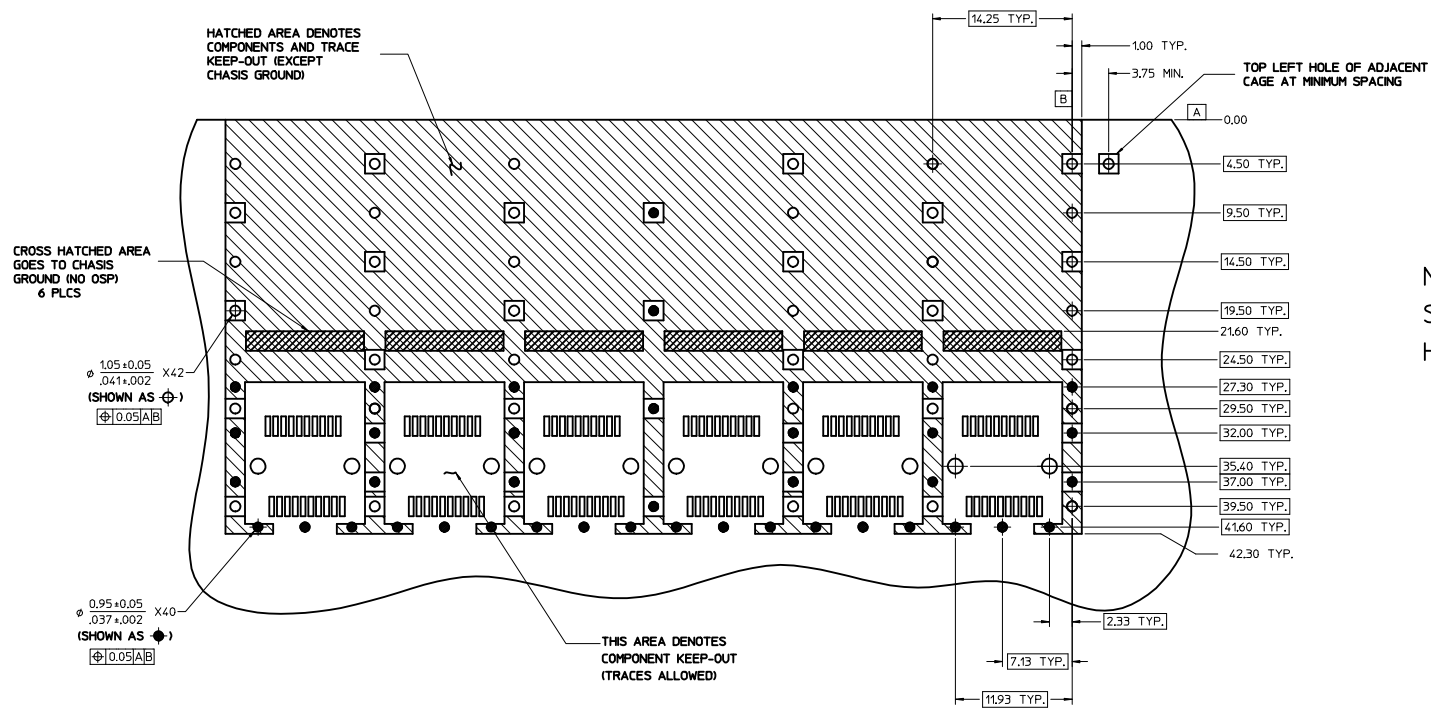
# PCB LAYOUT FOR SINGLE SIDE MOUNT



- 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.

<b>REVISED</b> EEC NO. USY2011-0268 DRAWN BY: INSKI 2010/10/19 CHYK: APPR: KJANOTA 2010/10/21 REV DESCRIPTION	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0		<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> MM ONLY		SCALE 4:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± ---		mm INCH		DATE 2007/05/04 DATE 2007/05/04		DATE 2010/10/21		TITLE SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET		MOLEX INCORPORATED	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 747540610		DATE 2010/10/21		MOLEX INCORPORATED		DOCUMENT NO. SD-74754-0610		SHEET NO. 2 OF 4	

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING



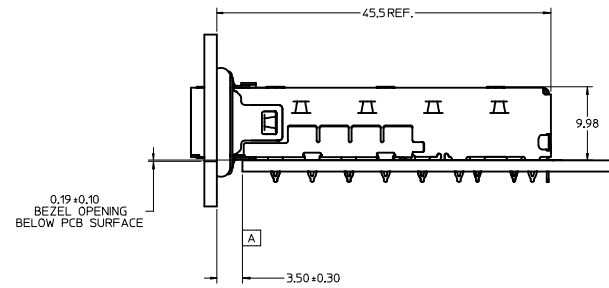
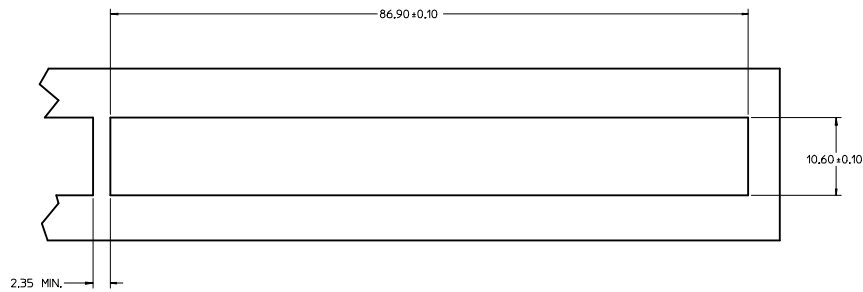
NOTE:  
SEE SHEET 2 FOR  
HOST CONNECTOR DETAIL

**NOTES:**

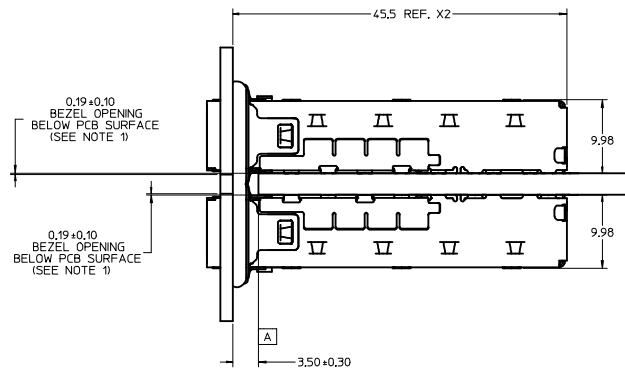
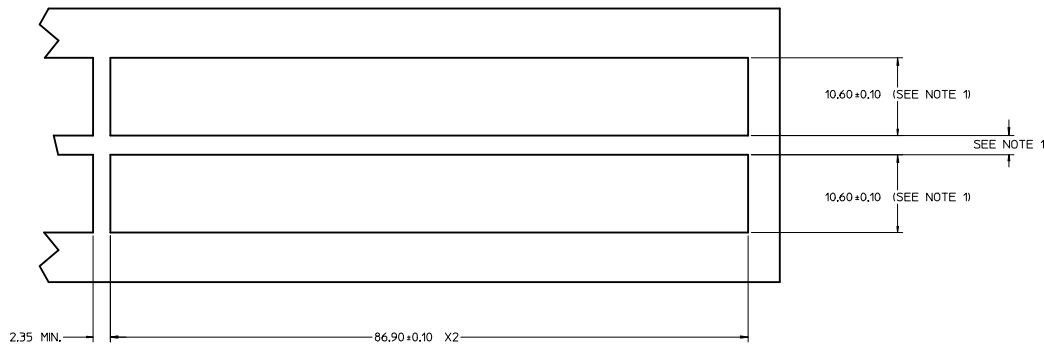
1. PADS AND VIAS CONNECT TO CHASSIS GROUND (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH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

REVISED E.C. NO. USY2011-0268 DRAWN BY: INSKI 2010/10/19 CHYK: APPR: K.JANOTA 2010/10/21 REV:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	MM ONLY 4:1 METRIC	DRAWN BY: CHIRSCHY 2007/05/04 CHECKED BY: BRUSSELL 2007/05/04 APPROVED BY: K.JANOTA 2010/10/21	DATE: 2010/10/21 DATE: 2010/10/21 DATE: 2010/10/21	TITLE: SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET MATERIAL NO. 747540610 DOCUMENT NO. SD-74754-0610
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  
(GASKET)



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



NOTES:

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

REVISED EC NO. USY2011-0268 DRAWN BY: M. INSKI 2010/10/19 CHKD: APPR: K. JANOTA 2010/10/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	<p>▽=0</p> <p>▽=0</p>	<p>4 PLACES ± mm ± INCH</p> <p>3 PLACES ± --- ± ---</p> <p>2 PLACES ± 0.15 ± ---</p> <p>1 PLACE ± 0.25 ± ---</p> <p>ANGULAR ± 1 °</p>	<p>DRAWN BY: CHIRSCHY 2007/05/04</p> <p>CHECKED BY: BRUSSELL 2007/05/04</p> <p>APPROVED BY: K. JANOTA 2010/10/21</p>	TITLE SFP+ 1X6 GANGED CAGE W/ ELASTOMER GASKET	MATERIAL NO. 747540610	DOCUMENT NO. SD-74754-0610
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				