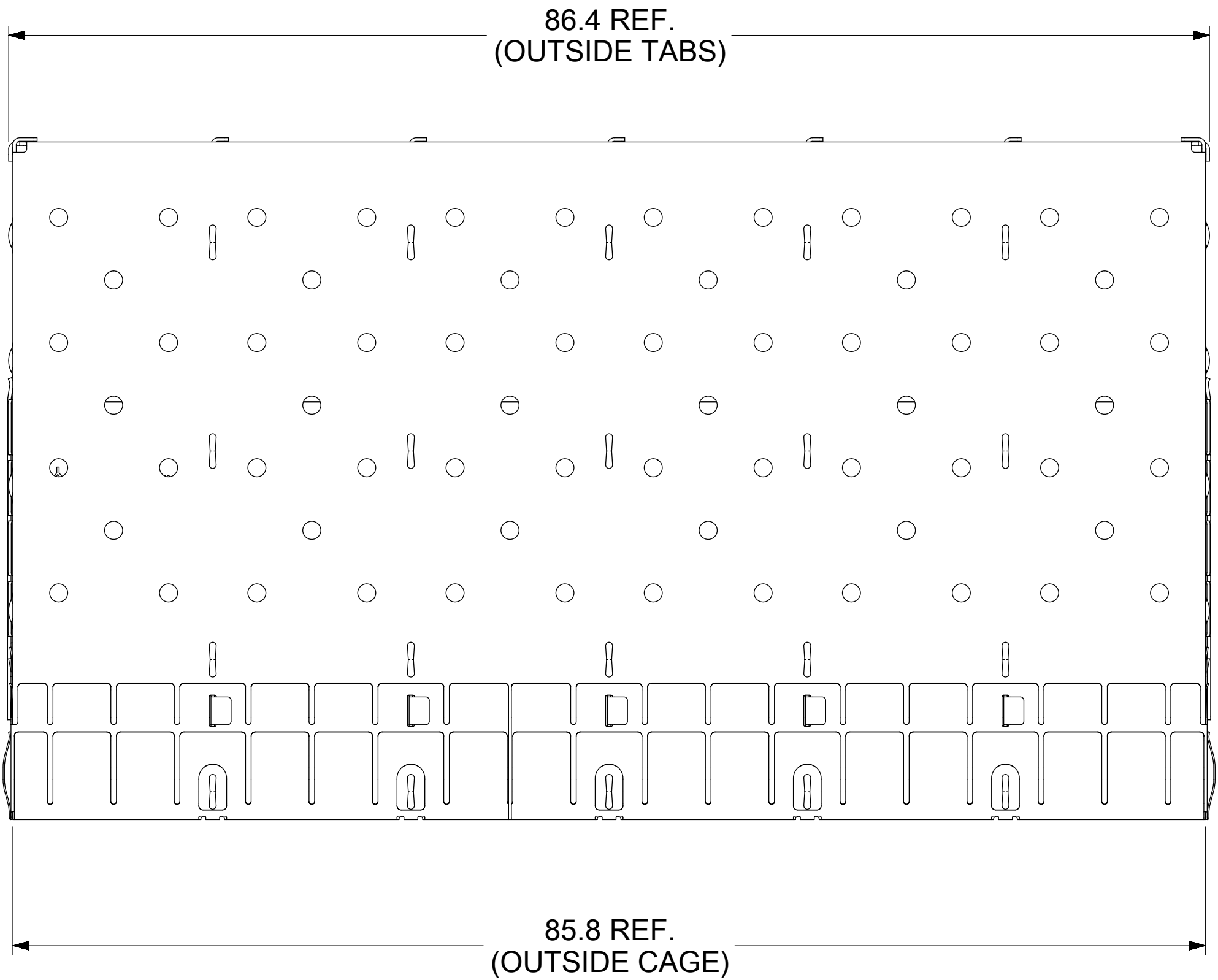


COMMON DIMENSION

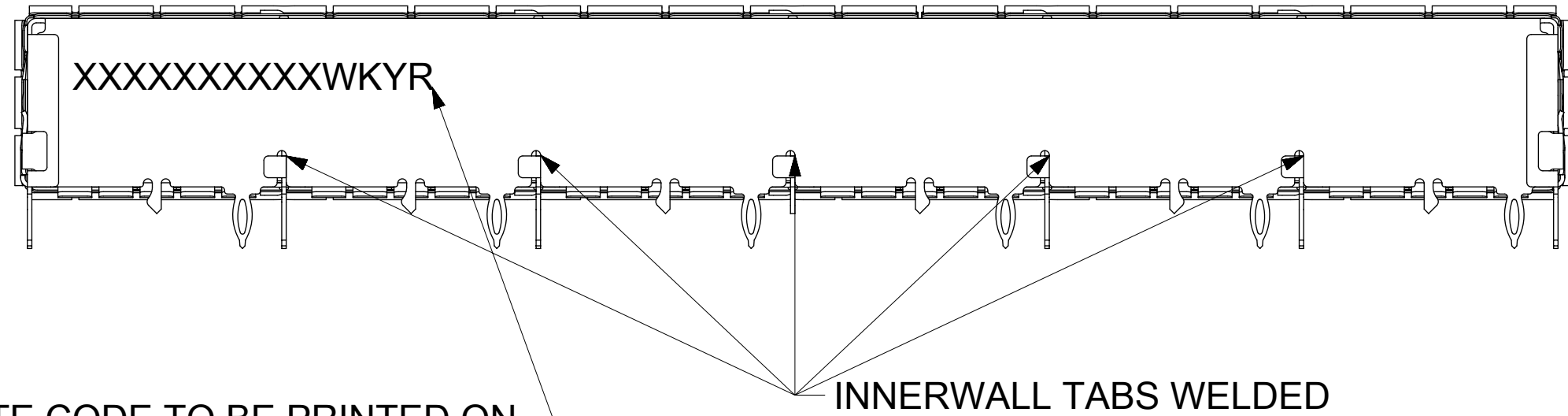
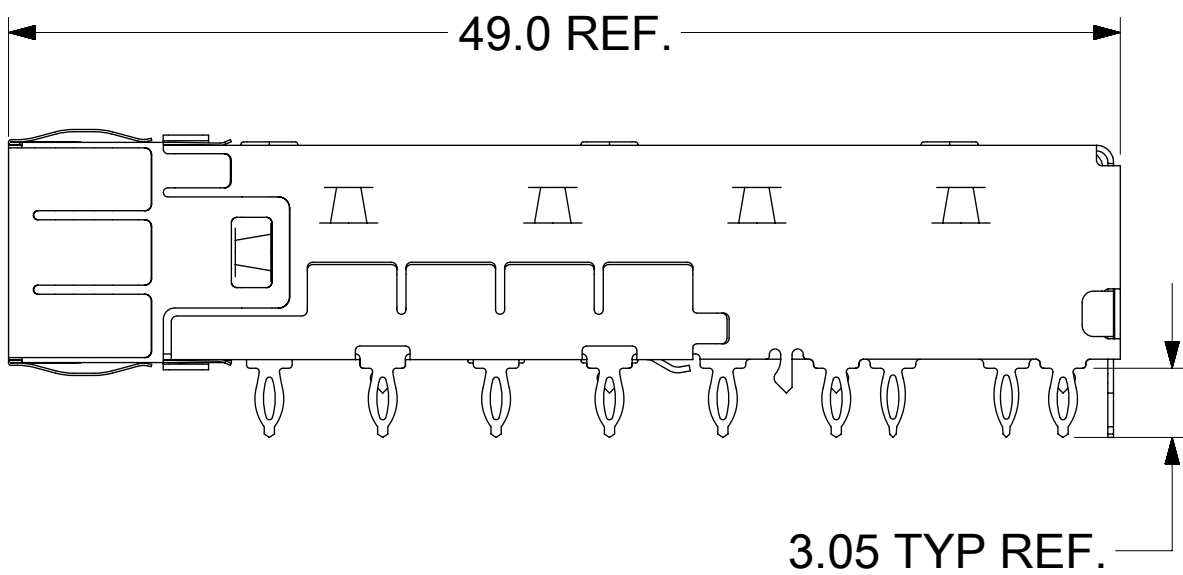
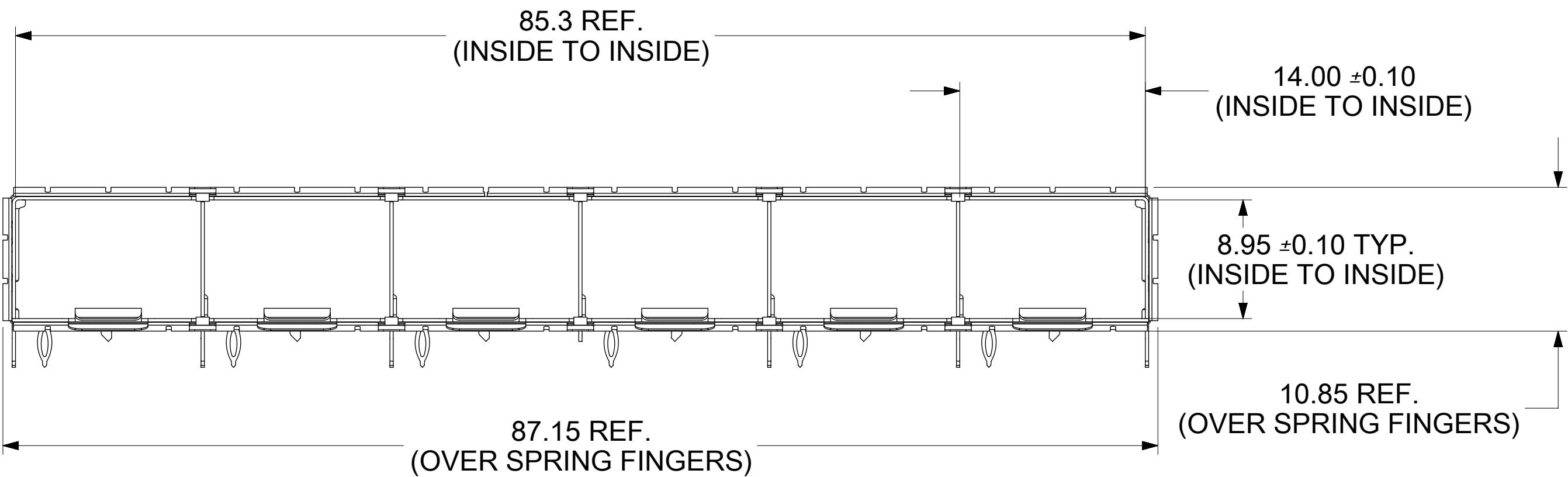
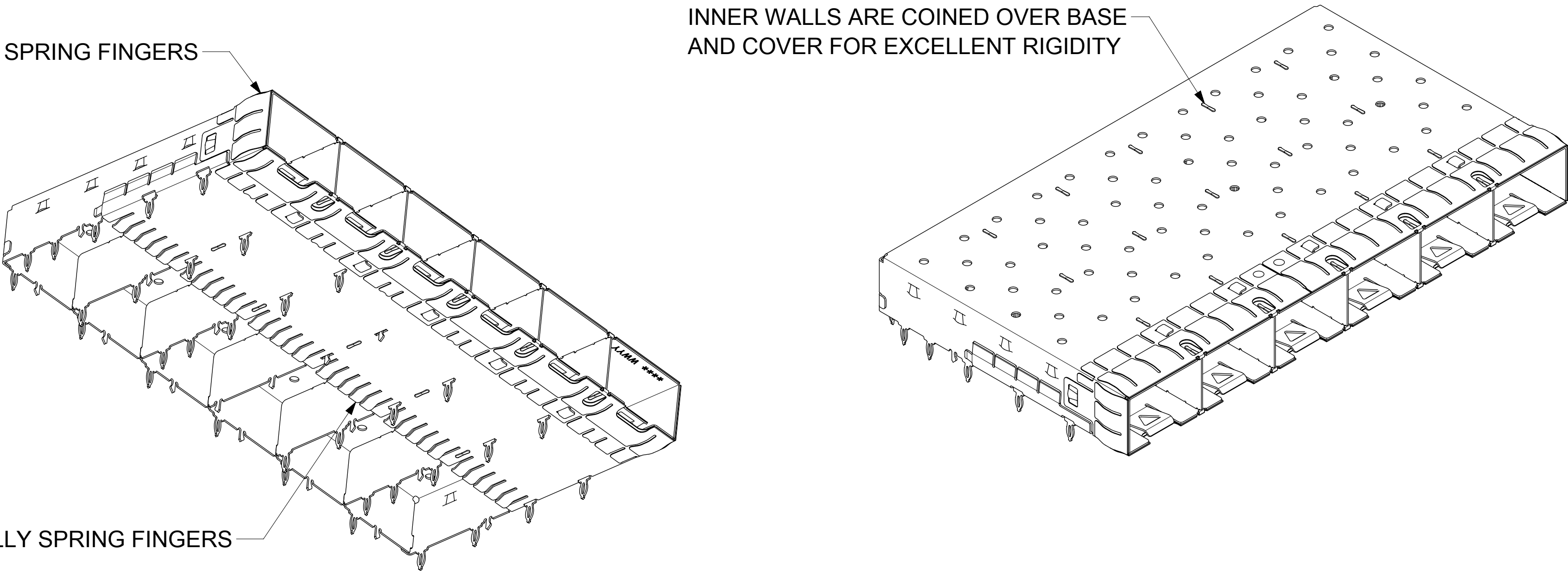
74754-0620
SHOWN



EMI SPRING FINGERS

UNDERBELLY SPRING FINGERS












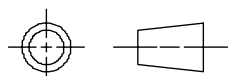



INNER WALLS ARE COINED OVER BASE
AND COVER FOR EXCELLENT RIGIDITY



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

WEEK / YEAR DATE CODE:	
WK	01 THRU 52 OR 53.EXAMPLE: 01 = FIRST WEEK OF YEAR 52 OR 53 = LAST WEEK OF YEAR.
YR	16, 17, 18, EXAMPLE: 2016=16

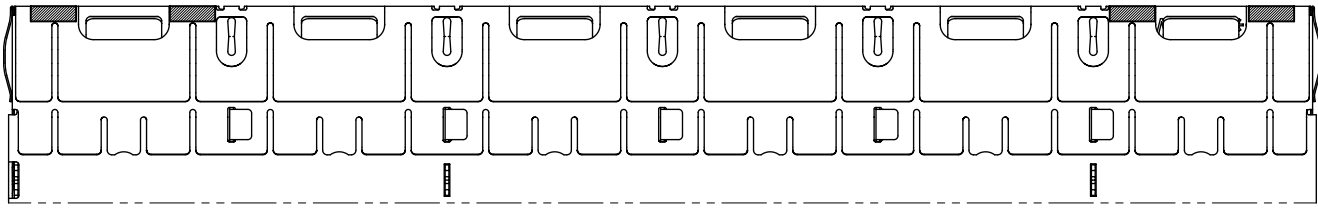
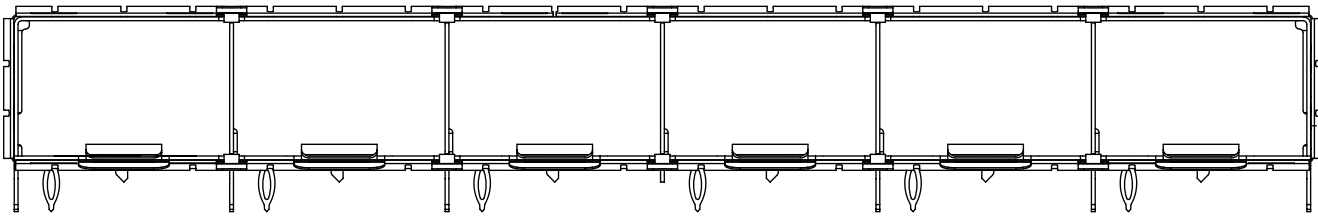
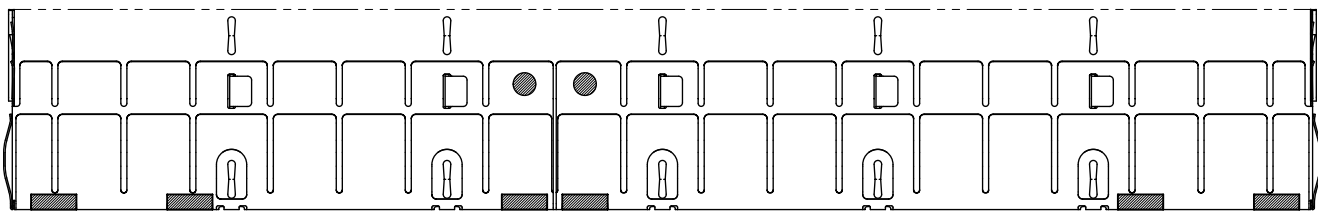
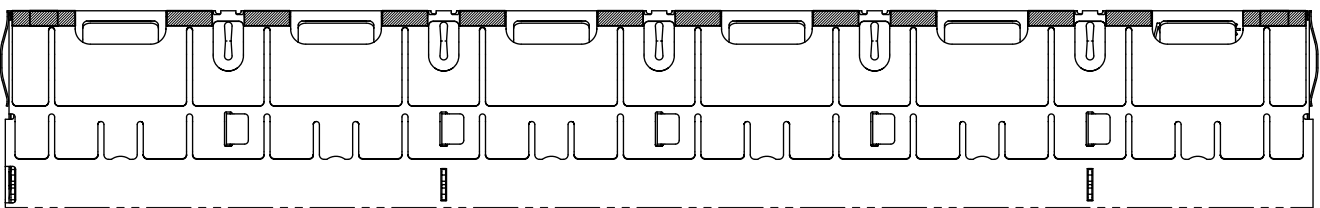
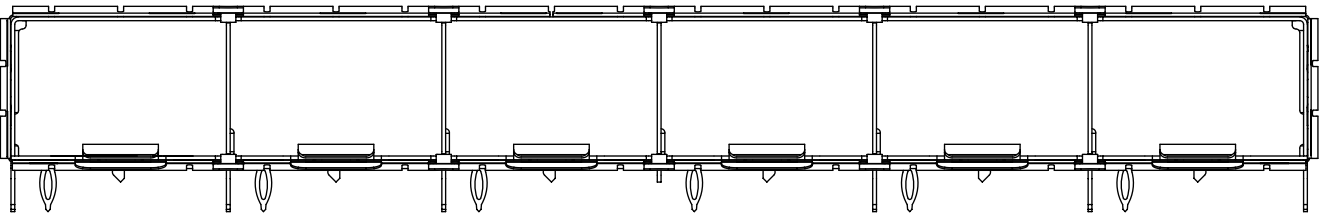
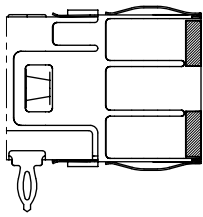
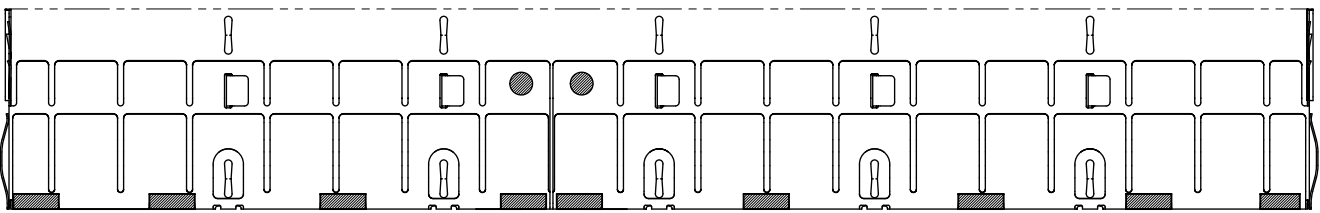
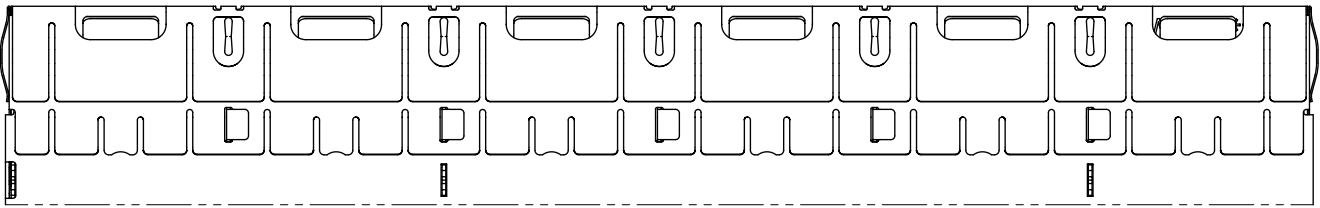
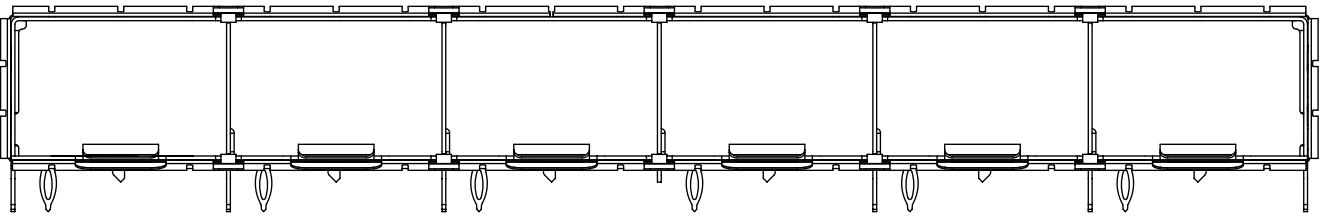
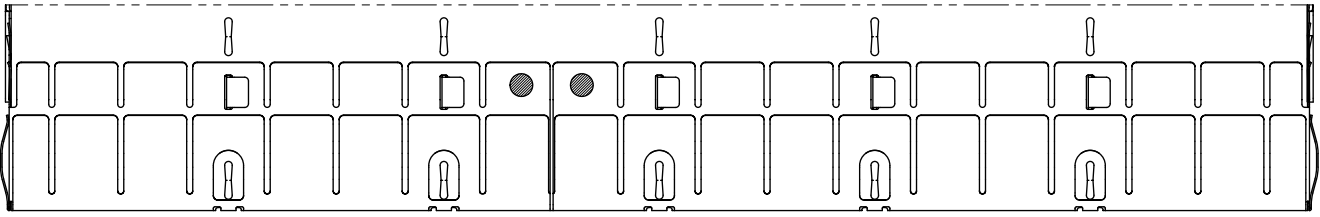
- NOTES:
- MATERIAL:
CAGE: COPPER ALLOY, THICKNESS 0.25mm.
SPRING FINGER: NICKEL PLATED COPPER ALLOY, THICKNESS 0.10mm.
 - PRESS FIT LEGS 3.05 LONG -
1.57 MINIMUM PCB THICKNESS FOR SINGLE SIDED USE.
3.00 MINIMUM PCB THICKNESS FOR BELLY TO BELLY USE.
 - OPTIONAL LIGHT PIPE ASSEMBLY AVAILABLE.
 - WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION.
 - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.
 - NO RoHS EXEMPTIONS.

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	2016/01/21 2016/03/04 2016/03/04	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE							
 = 0				mm		3:1							
 = 0				DRWN BY		DATE							
 = 0				PKUMARG		2016/01/21							
 = 0				ANGULAR TOL ± 1.0 °		CHK'D BY		DATE		SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG			
 = 0				4 PLACES ±		DSUN15							
 = 0				3 PLACES ±		APPR BY		DATE					
 = 0				2 PLACES ± 0.15		RCHEN08		2016/03/04					
 = 0				1 PLACE ± 0.25		DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING			
 = 0				0 PLACES ±		D							
 = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												
 = 0													
 = 0	EC NO: 103331 DRWN: PKUMARG CHKD: RCHEN08 APPR: RCHEN08						SERIES		MATERIAL NUMBER		CUSTOMER		
	H		REV				74754		SEE P/N TABLE		GENERAL MARKET		
							DOCUMENT NUMBER		DOC TYPE		DOC PART		
							747540620		PSD		ASY		
									SHEET NUMBER		1 OF 6		

WELD LOCATION FOR FRONT SPRING FINGER
FOR 747540620 & 747540627

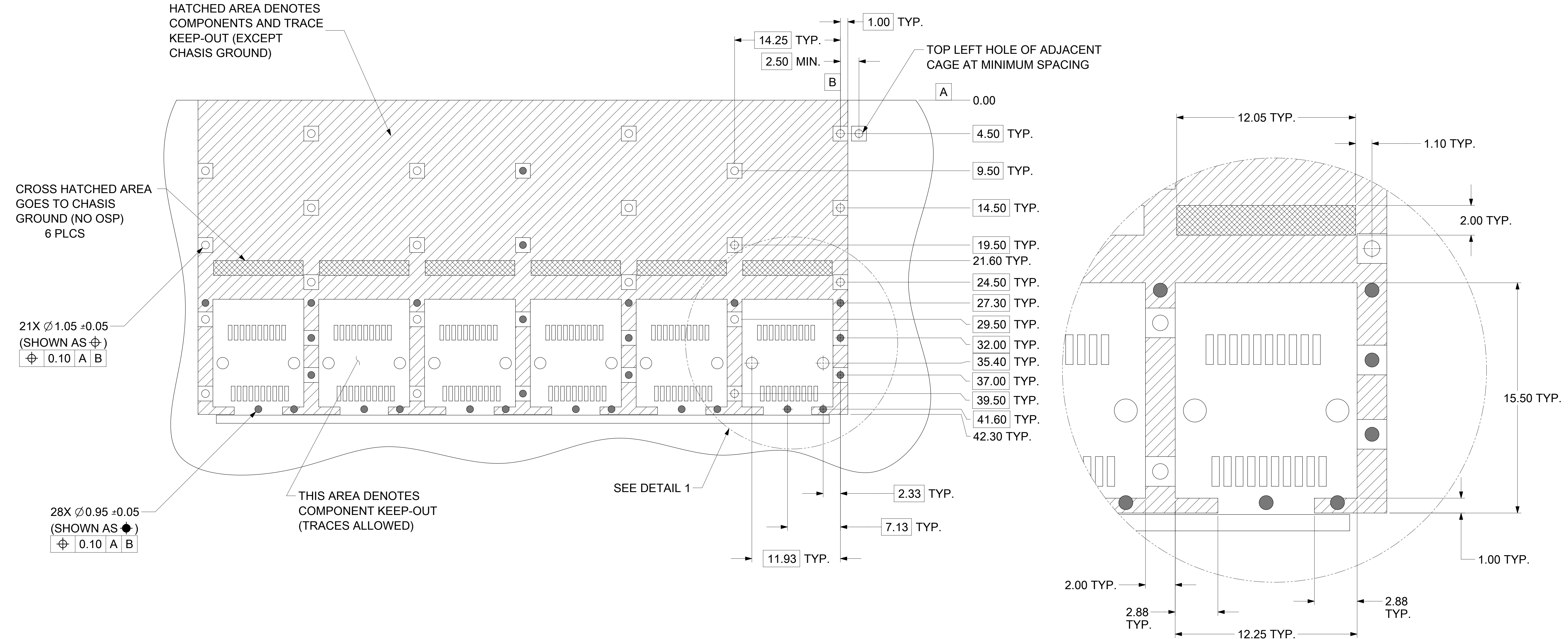
WELD LOCATION FOR FRONT SPRING FINGER
FOR 747540622

WELD LOCATION FOR FRONT SPRING FINGER
FOR 747540688



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
QUALITY SYMBOLS													
	= 0	SEE REVISION TABLE	EC NO: 103331 DRWN: PKUMARG CHKD: RCHEN08 REV/ APPR: RCHEN08	2016/01/21 2016/03/04 2016/03/04	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE					
	= 0					mm		2:1					
	= 0					DRWN BY		DATE					
	= 0					PKUMARG		2016/01/21					
	= 0					CHK'D BY		DATE					
	= 0					DSUN15							
	= 0					APPR BY		DATE		PRODUCT CUSTOMER DRAWING			
	= 0					RCHEN08		2016/03/04					
	= 0					DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER	CUSTOMER	
	= 0					D							
	= 0					H				74754	SEE P/N TABLE	GENERAL MARKET	
	= 0												
						DOCUMENT NUMBER	747540620	DOC TYPE	PSD	DOC PART	SHEET NUMBER		
												2 OF 6	
7				6		5		4		3			
										2			
										1			

PCB LAYOUT FOR SINGLE SIDE MOUNT



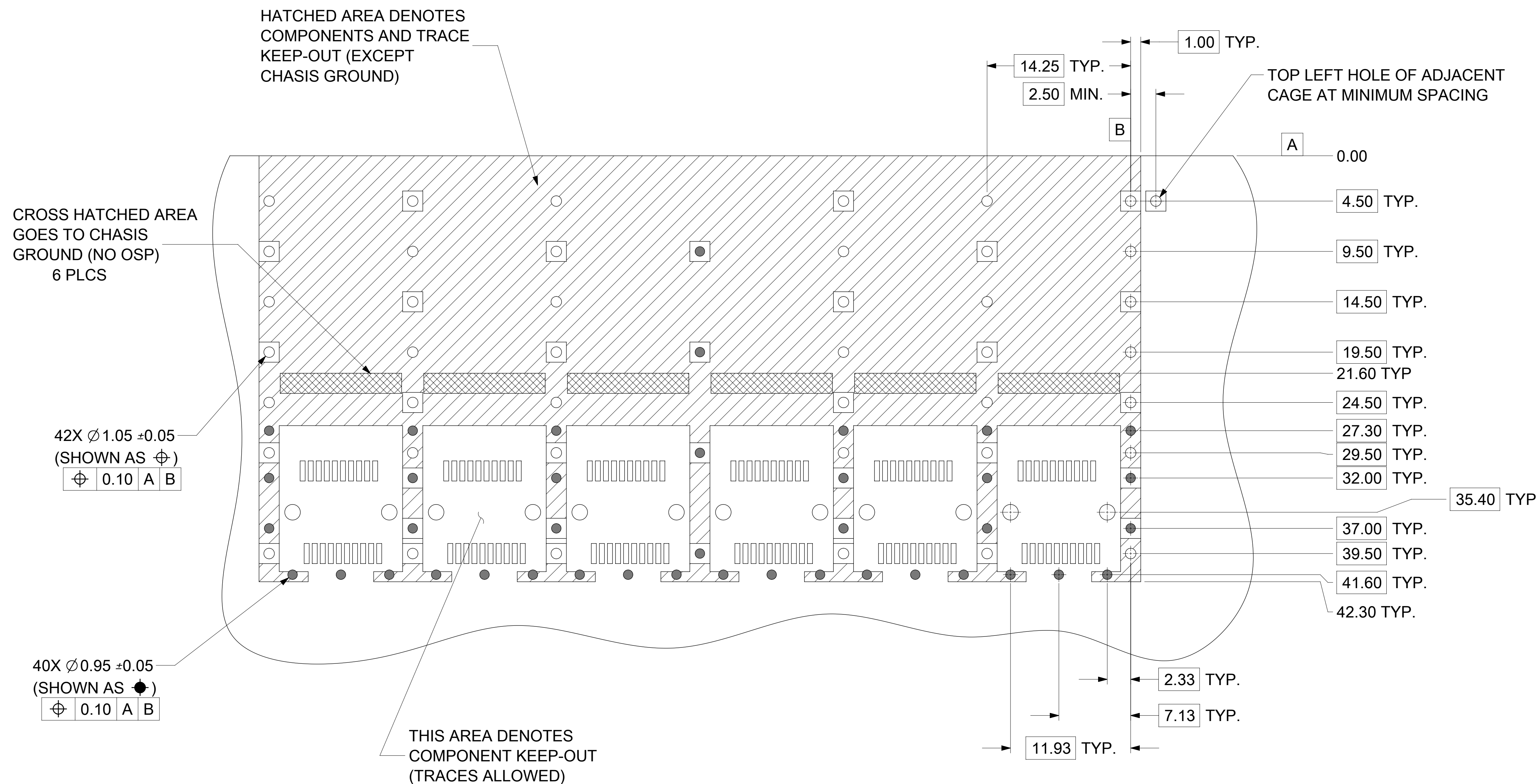
DETAIL 1
SCALE 8:1
HOST CONNECTOR DETAIL

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 ACCOMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
- HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 14.25mm.

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: 103331 DRWN: PKUMARG CHKD: RCHEN08 APPR: RCHEN08	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE								
	= 0			ANGULAR TOL ± 1.0 °		mm		4:1								
	= 0			4 PLACES ±		DRWN BY		DATE								
	= 0			3 PLACES ±		PKUMARG		2016/01/21								
	= 0			2 PLACES ± 0.15		CHKD BY		DATE		SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG						
	= 0			1 PLACE ± 0.25		DSUN15										
	= 0			0 PLACES ±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING						
	= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		RCHEN08		2016/03/04								
	= 0					DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
	= 0					D				74754		SEE P/N TABLE		GENERAL MARKET		
								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
								747540620		PSD		ASY		3 OF 6		











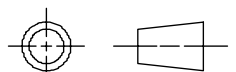
PCB LAYOUT FOR BELLY TO BELLY MOUNTING



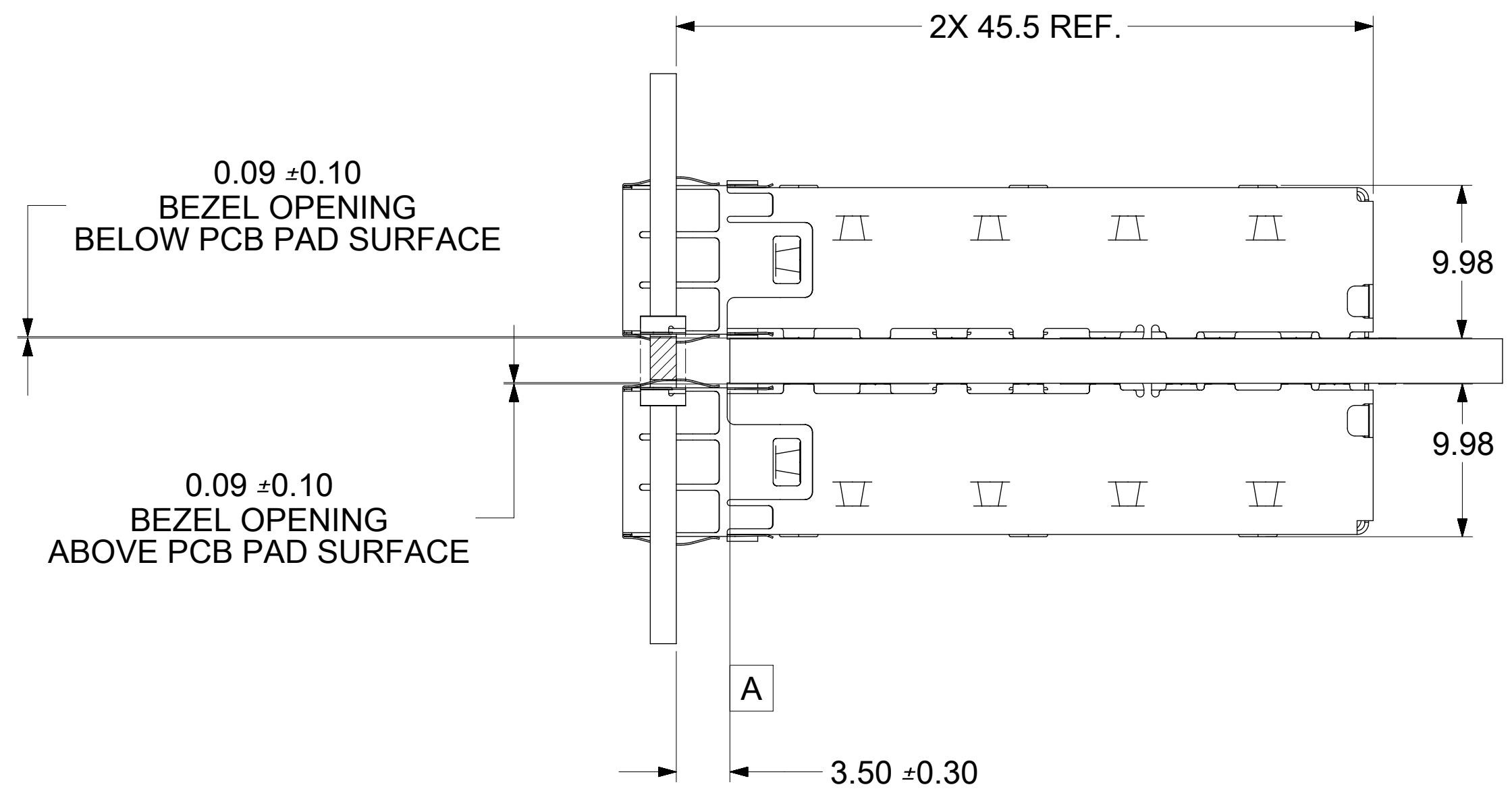
NOTE:
SEE SHEET 3 FOR
HOST CONNECTOR DETAIL











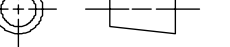
NOTES:

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.

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.: 103331 DRWN: PKUMARG CHKD: RCHEN08 APPR: RCHEN08	2016/01/21 2016/03/04 2016/03/04	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE									
	= 0					mm		4:1									
	= 0					ANGULAR TOL ± 1.0 °		DRWN BY		DATE		SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG					
	= 0					4 PLACES ±		PKUMARG		2016/01/21							
	= 0					3 PLACES ±		CHKD BY		DATE							
	= 0					2 PLACES ± 0.15		DSUN15				PRODUCT CUSTOMER DRAWING					
	= 0					1 PLACE ± 0.25		APPR BY		DATE							
	= 0					0 PLACES ±		RCHEN08		2016/03/04		SERIES		MATERIAL NUMBER		CUSTOMER	
	= 0					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		74754		SEE P/N TABLE		GENERAL MARKET	
						H	REV		D			DOCUMENT NUMBER		DOC TYPE		DOC PART	
								747540620		PSD		ASY		4 OF 6			

Technical drawing of a rectangular plate. The overall width is 86.70 ± 0.10 . The overall height is 10.40 ± 0.10 . The plate has a chamfer on the top-left corner with a radius of $R 0.3 \text{ MAX.TYP.}$. The thickness of the plate is 1.30 MIN .

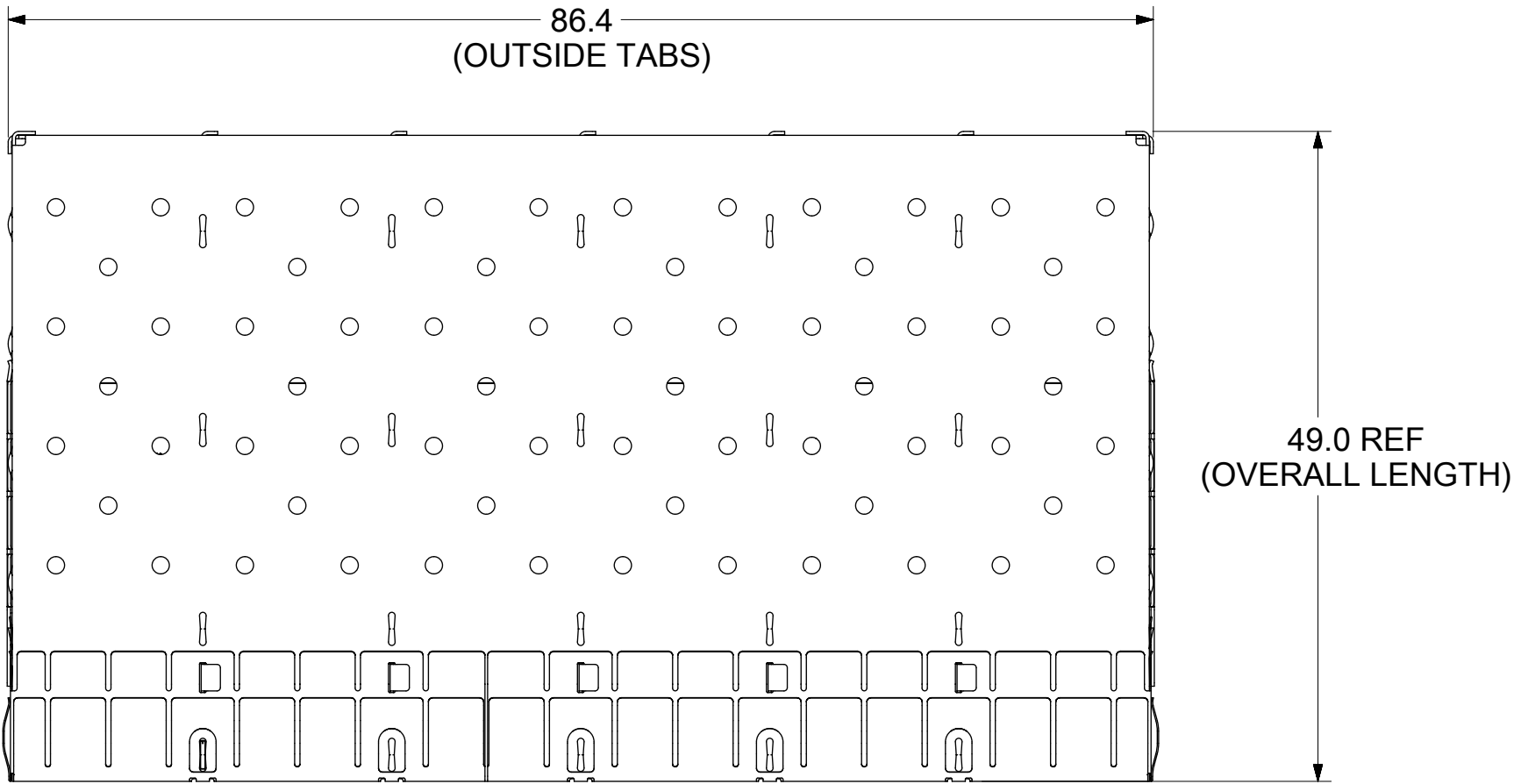


QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
	= 0	SEE REVISION TABLE	2016/01/21 2016/03/04 2016/03/04 EC NO: 103331 DRWN: PKUMARG CHKD: RCHEN08 REV APPR: RCHEN08	GENERAL 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		 SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG																	
	= 0				mm		3:1																			
	= 0				DRWN BY		DATE																			
	= 0				PKUMARG		2016/01/21		PRODUCT CUSTOMER DRAWING <table border="1"> <tr> <td>SERIES</td> <td>MATERIAL NUMBER</td> <td>CUSTOMER</td> </tr> <tr> <td>74754</td> <td>SEE P/N TABLE</td> <td>GENERAL MARKET</td> </tr> <tr> <td>DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>SHEET NUMBER</td> </tr> <tr> <td>747540620</td> <td>PSD</td> <td>ASY</td> <td>5 OF 6</td> </tr> </table>				SERIES	MATERIAL NUMBER	CUSTOMER	74754	SEE P/N TABLE	GENERAL MARKET	DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	747540620	PSD	ASY	5 OF 6
SERIES	MATERIAL NUMBER				CUSTOMER																					
74754	SEE P/N TABLE				GENERAL MARKET																					
DOCUMENT NUMBER	DOC TYPE				DOC PART	SHEET NUMBER																				
747540620	PSD				ASY	5 OF 6																				
	= 0				CHKD BY		DATE																			
	= 0				DSUN15																					
	= 0	APPR BY		DATE																						
	= 0	RCHEN08		2016/03/04																						
	= 0	DRAWING SIZE		THIRD ANGLE PROJECTION																						
	= 0	D																								
7		6		5		4		3		2		1														

BASE CAGE DETAILS

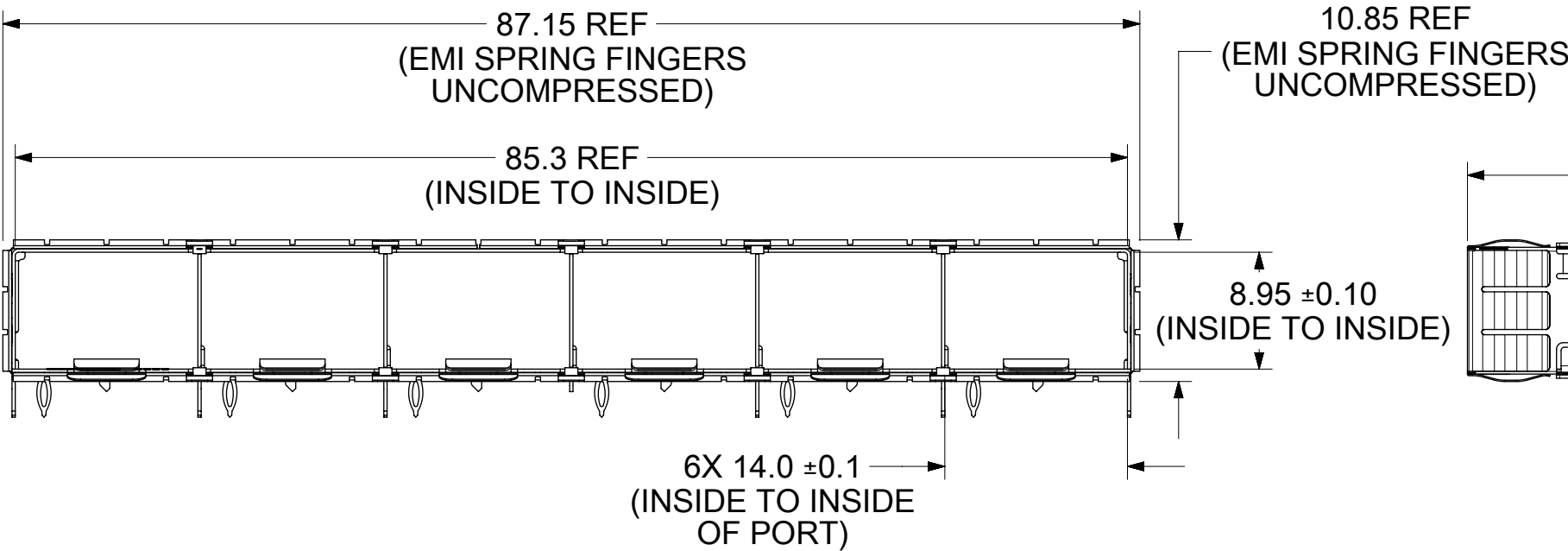
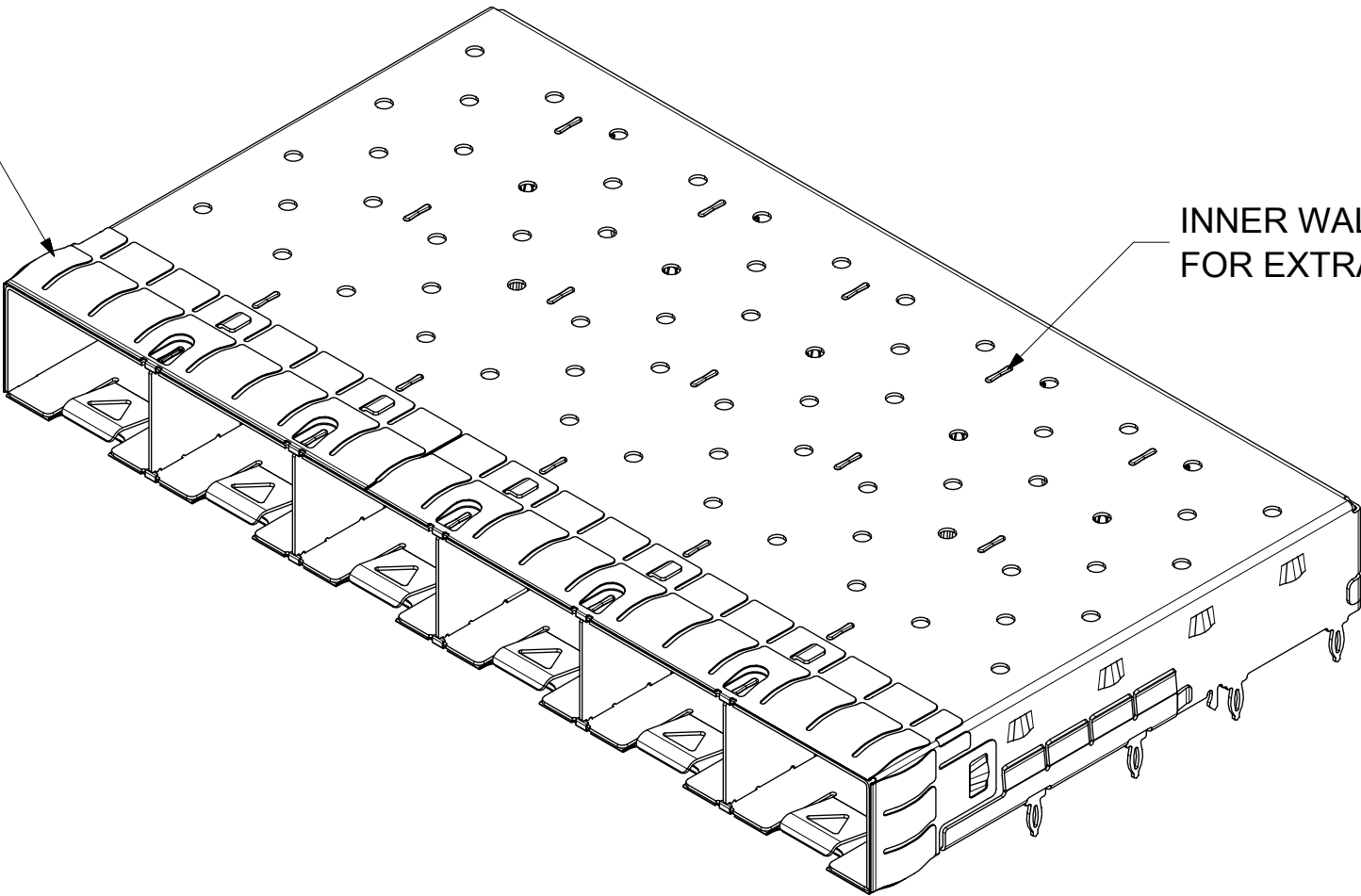
747540620 SHOWN

(APPLIES TO ALL CAGES IN THIS DRAWING)



EMI SPRING FINGERS

INNER WALLS ARE COINED FOR EXTRA RIGIDITY



49.0

3.05 REF

9.98 REF
(TOP OF CAGE TO PCB PAD SURFACE)

INNER WALL TABS WELDED

XXXXXXXXXXWWYY

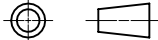
PN/DATE CODE TO BE PRINTED ON THE SIDE OF COMPLETED CAGE ASSEMBLY APPROXIMATELY AS SHOWN.

WEEK/YEAR DATE CODE TABLE

WW	WEEK 01 THRU 52 OR 53	EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	20, 21, 22, ETC.	EXAMPLE: YEAR 2020 = 20

NOTES:

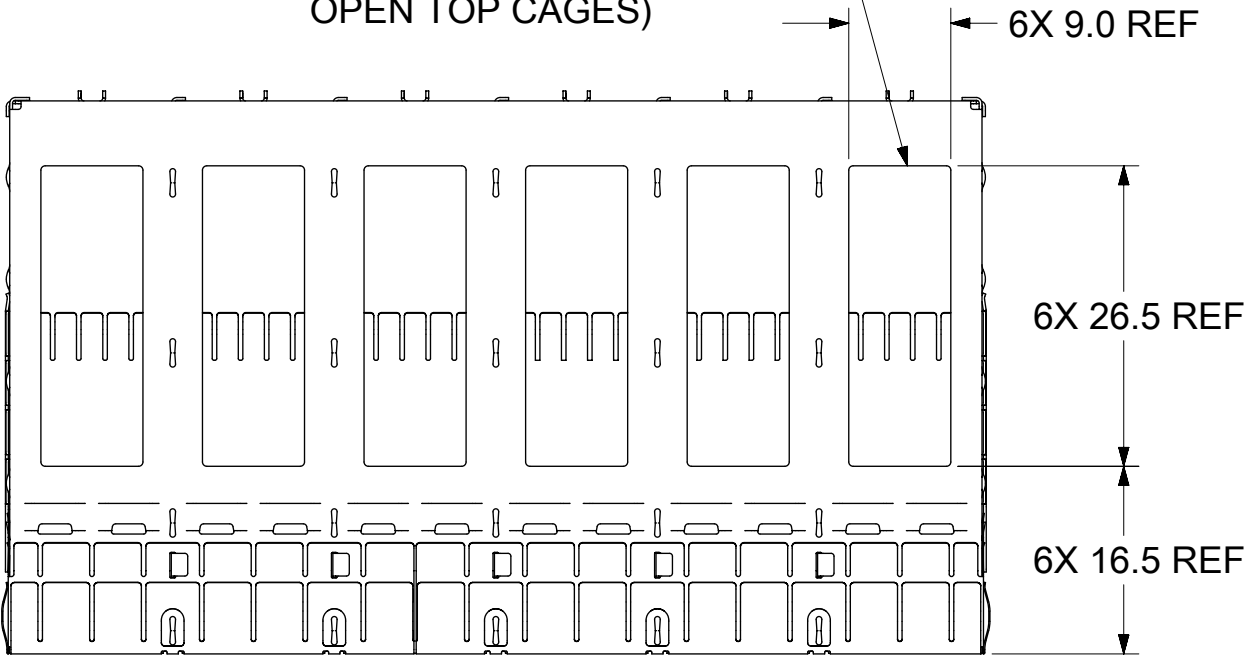
- MATERIAL:
CAGE: 0.25mm THICK COPPER ALLOY, NICKEL PLATED.
SPRING FINGERS: 0.10mm THICK COPPER ALLOY, NICKEL PLATED.
HEATSINK: ALUMINUM, NICKEL PLATED.
HEATSINK SPRING CLIP: STAINLESS STEEL.
- PRESS FIT LEGS 3.05mm LONG:
- PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS. 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													
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETED PART NUMBER AS PER PCN#509457.				<div>molex</div>					
mm		2:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 680890 DRWN: SANTHN 2021/05/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25				SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS					
ANGULAR TOL		± 1.0 °						PRODUCT CUSTOMER DRAWING					
4 PLACES		±						DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION
3 PLACES		±						1111122620		PSD		ASY	H3
2 PLACES		± 0.15		INITIAL REVISION:									
1 PLACE		± 0.25		DRWN: MHANUMAPPARE 2017/02/23									
0 PLACES		±		APPR: RCHEN08 2017/05/03									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER		
						C-SIZE	111112	SEE SHEET 4		GENERAL MARKET	1 OF 9		

CAGE ASSEMBLY OPTIONS

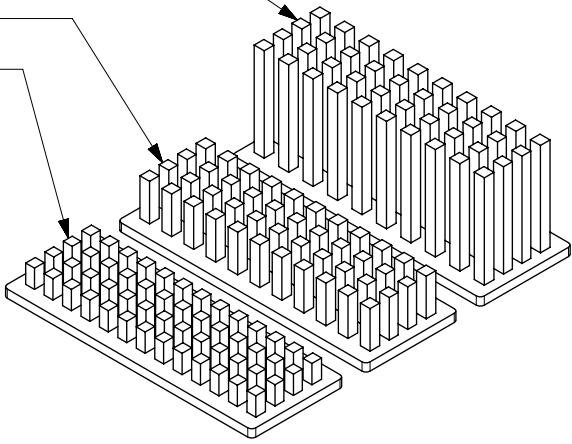
OPEN TOP

1111120620
SHOWN
(APPLIES TO ALL
OPEN TOP CAGES)



HEATSINK OPTIONS

PIN FIELD NETWORKING
PIN FIELD SAN
PIN FIELD PCI



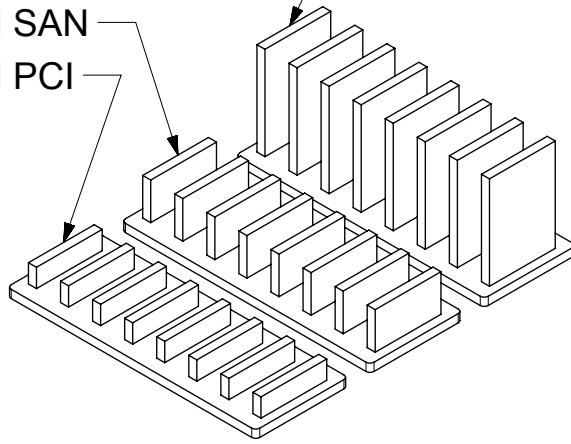
OVERALL HEATSINK HEIGHT

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

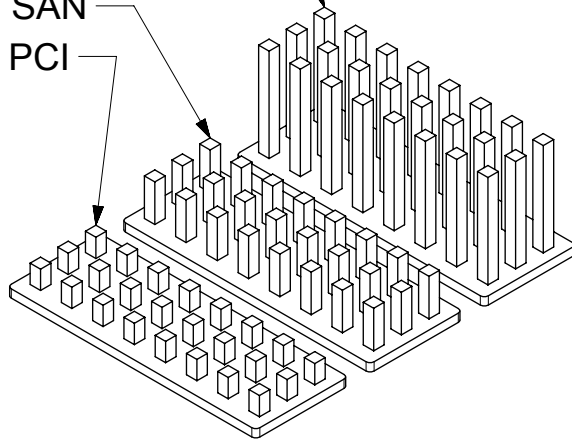


OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6

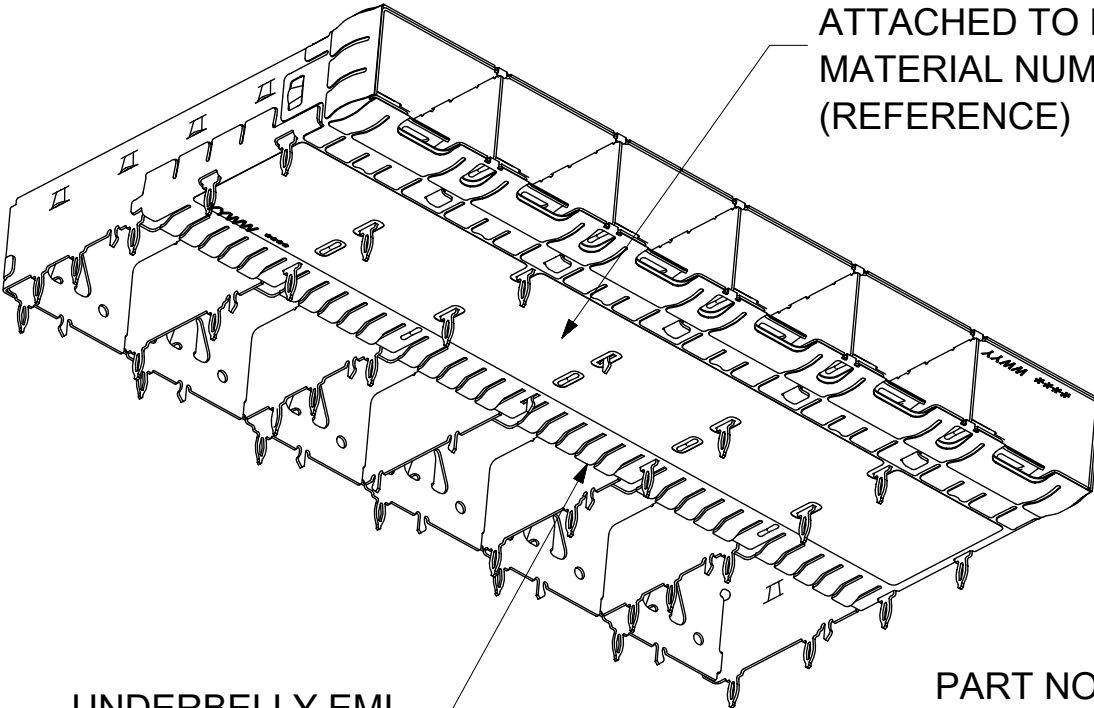
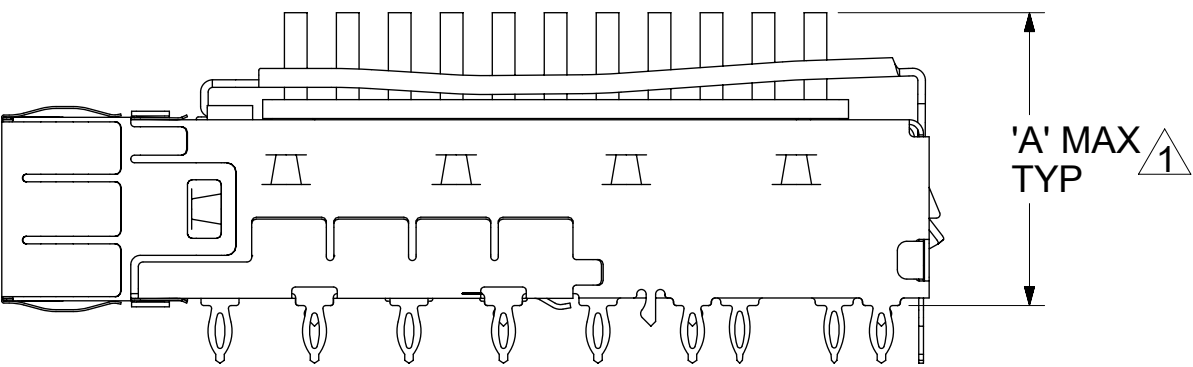
HEATSINK OPTIONS

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



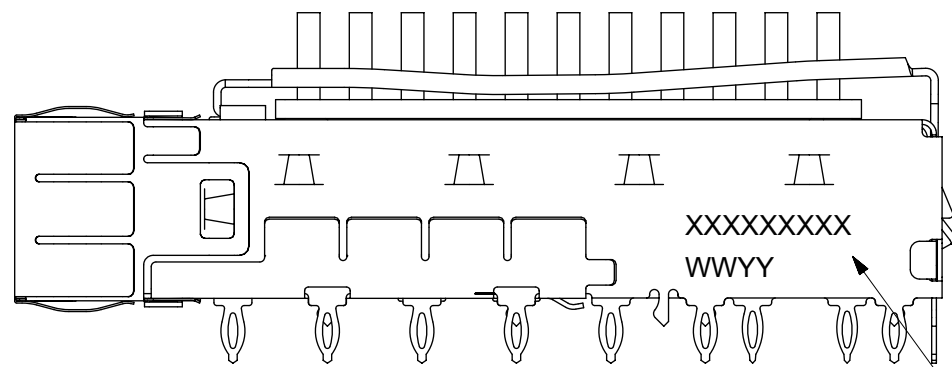
OVERALL HEATSINK HEIGHT

APPLICATION	DIM 'A'
PCI	14.3
SAN	16.6
NETWORKING	23.6



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

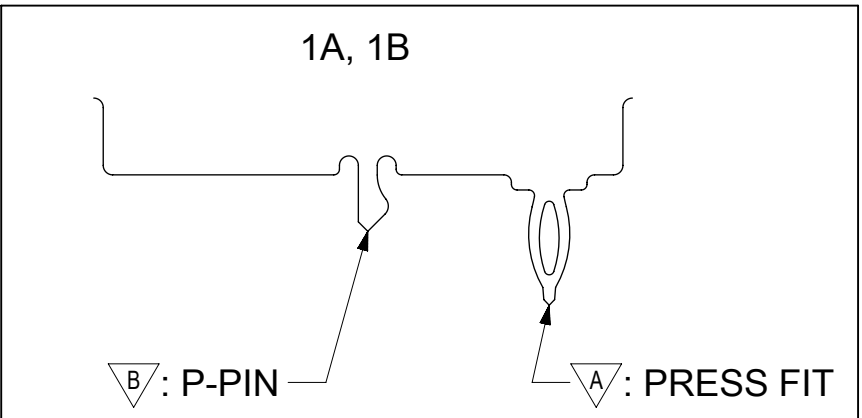
UNDERBELLY EMI
SPRING FINGERS



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

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

REAR LEG OPTIONS
(PER PORT)



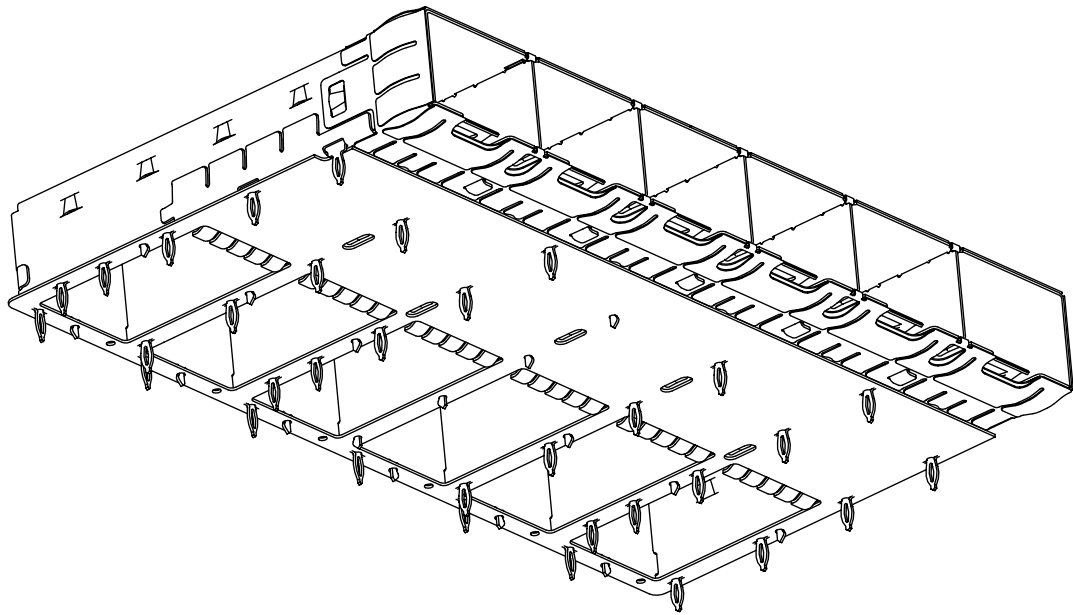
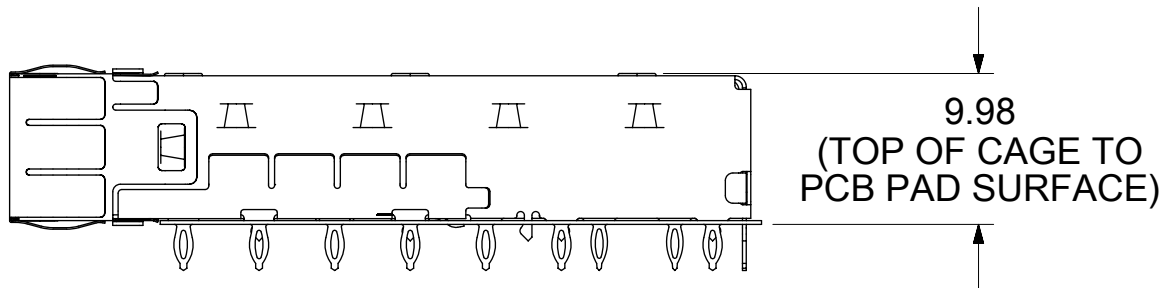
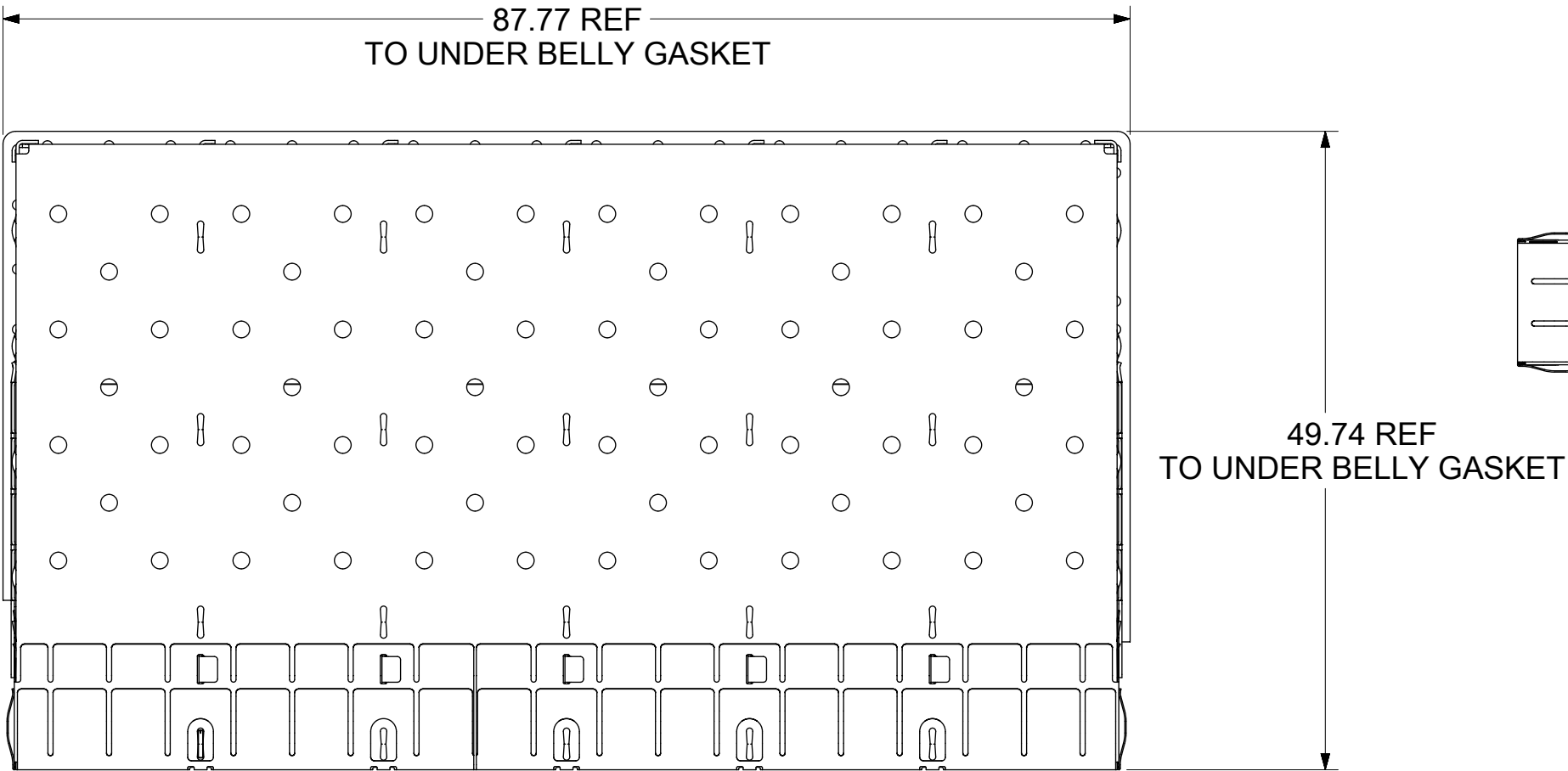
WEEK/YEAR DATE CODE TABLE

WW	01 THRU 52 OR 53	EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	20, 21, 22, ETC.	EXAMPLE: YEAR 2020 = 20

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.				<div>molex</div> <div>SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS</div>							
mm		1.5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 680890 DRWN: SANTHN 2021/05/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25				PRODUCT CUSTOMER DRAWING							
ANGULAR TOL ± 1.0 °															
4 PLACES		±													
3 PLACES		±													
2 PLACES		± 0.15													
1 PLACE		± 0.25		INITIAL REVISION: DRWN: MHANUMAPPARE 2017/02/23 APPR: RCHEN08 2017/05/03				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES		±						1111122620		PSD		ASY		H3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						C-SIZE		111112		SEE SHEET 4		GENERAL MARKET		2 OF 9	

OPTIONAL GEN 2 UNDER BELLY GASKET

1001150620 SHOWN

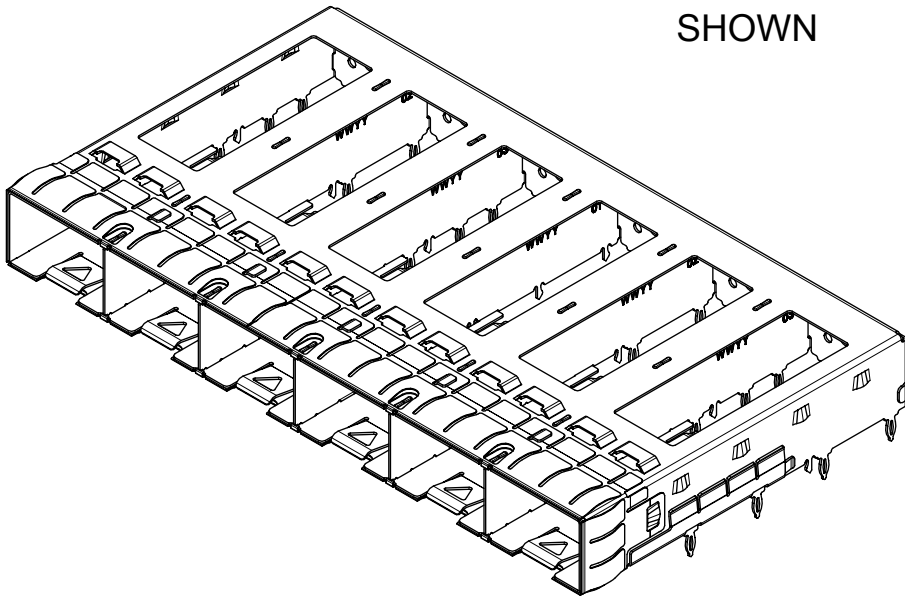


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.									
mm		2:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 680890 DRWN: SANTHN 2021/05/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25 INITIAL REVISION: DRWN: MHANUMAPPARE 2017/02/23 APPR: RCHEN08 2017/05/03									
ANGULAR TOL	±	1.0 °										
4 PLACES	±											
3 PLACES	±											
2 PLACES	±	0.15										
1 PLACE	±	0.25	DOCUMENT NUMBER 1111122620									
0 PLACES	±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
				C-SIZE	111112	SEE SHEET 4	GENERAL MARKET	3 OF 9				

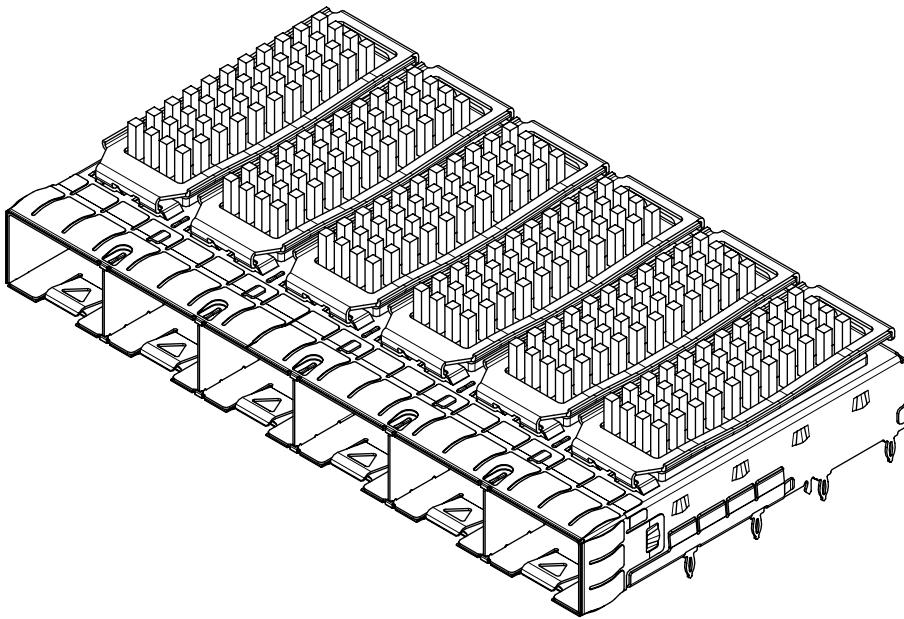
DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:23
-----------------	----	--------------	------------	----------

PART NUMBER SELECTION

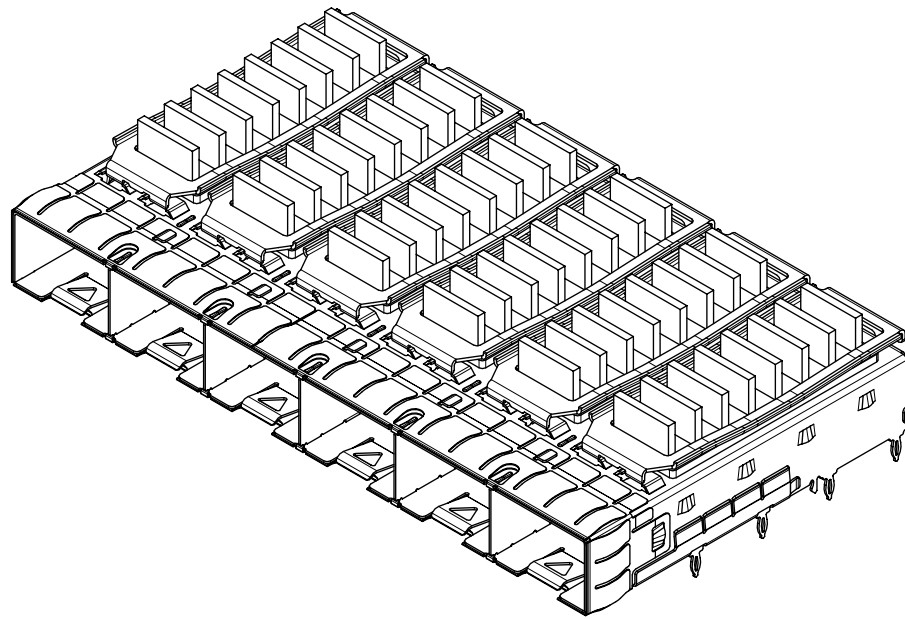
1111120620
SHOWN



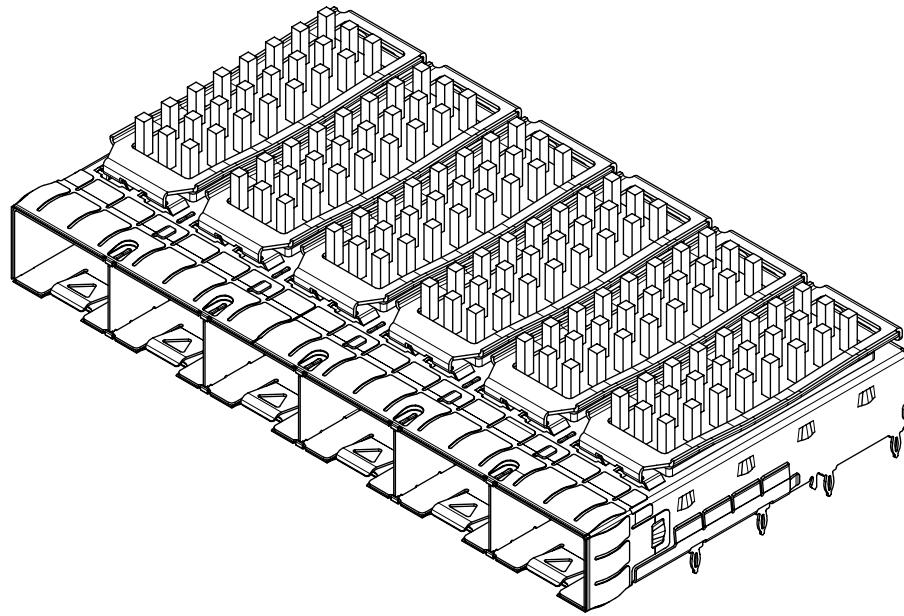
SFP+ OPEN TOP BASE CAGE FOR HEATSINKS		
PART NO.	POLYIMIDE INSULATOR	# OF REAR LEGS PER PORT
1111120620	---	1A, 1B
1111120660	YES	1A, 1B



SFP+ PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111121620	---	PCI	1A, 1B
1111121660	YES	PCI	1A, 1B
1111122660	YES	SAN	1A, 1B
1111123620	---	NET	1A, 1B

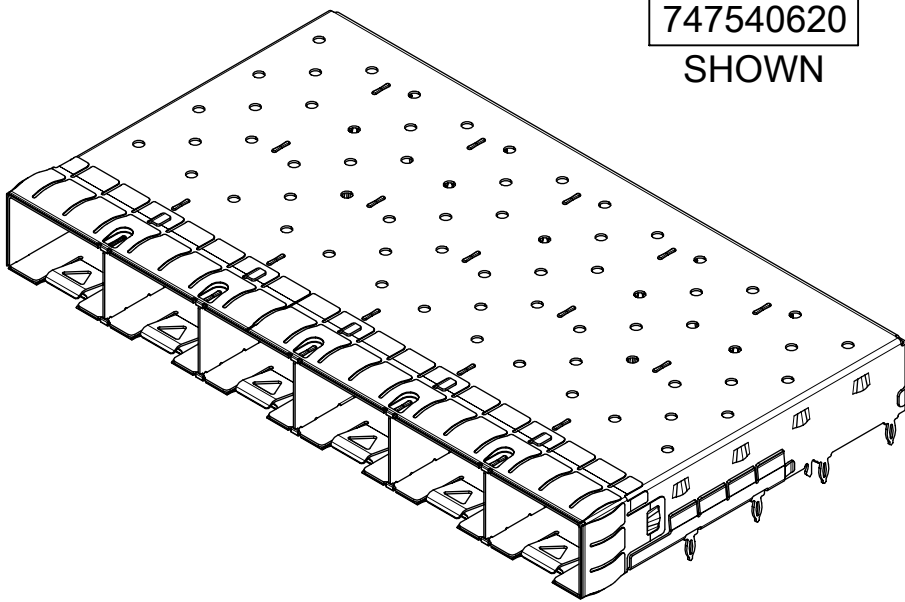


SFP+ LATERAL FIN HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111124660	YES	PCI	1A, 1B
1111125660	YES	SAN	1A, 1B
1111126660	YES	NET	1A, 1B



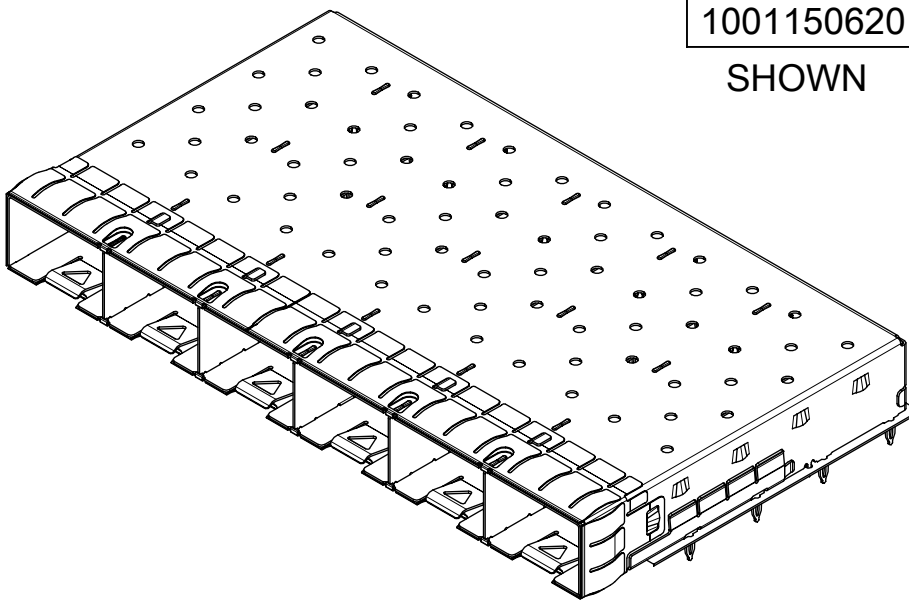
SFP+ WIDE GAP PIN FIELD HEATSINK OPTION			
PART NO.	POLYIMIDE INSOLATOR	HEATSINK	# OF REAR LEGS PER PORT
1111127660	YES	PCI	1A, 1B
1111128660	YES	SAN	1A, 1B
1111129660	YES	NET	1A, 1B

747540620
SHOWN



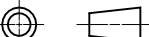
SFP+ CLOSED TOP BASE CAGE			
PART NO.	POLYIMIDE INSOLATOR	SF WELD POINTS	# OF REAR LEGS PER PORT
747540620	---	2	1A, 1B

1001150620
SHOWN



zSFP+ GEN 2 CLOSED TOP BASE CAGE		
PART NO.	POLYIMIDE INSULATOR	# OF REAR LEGS PER PORT
1001150620	---	1A, 1B

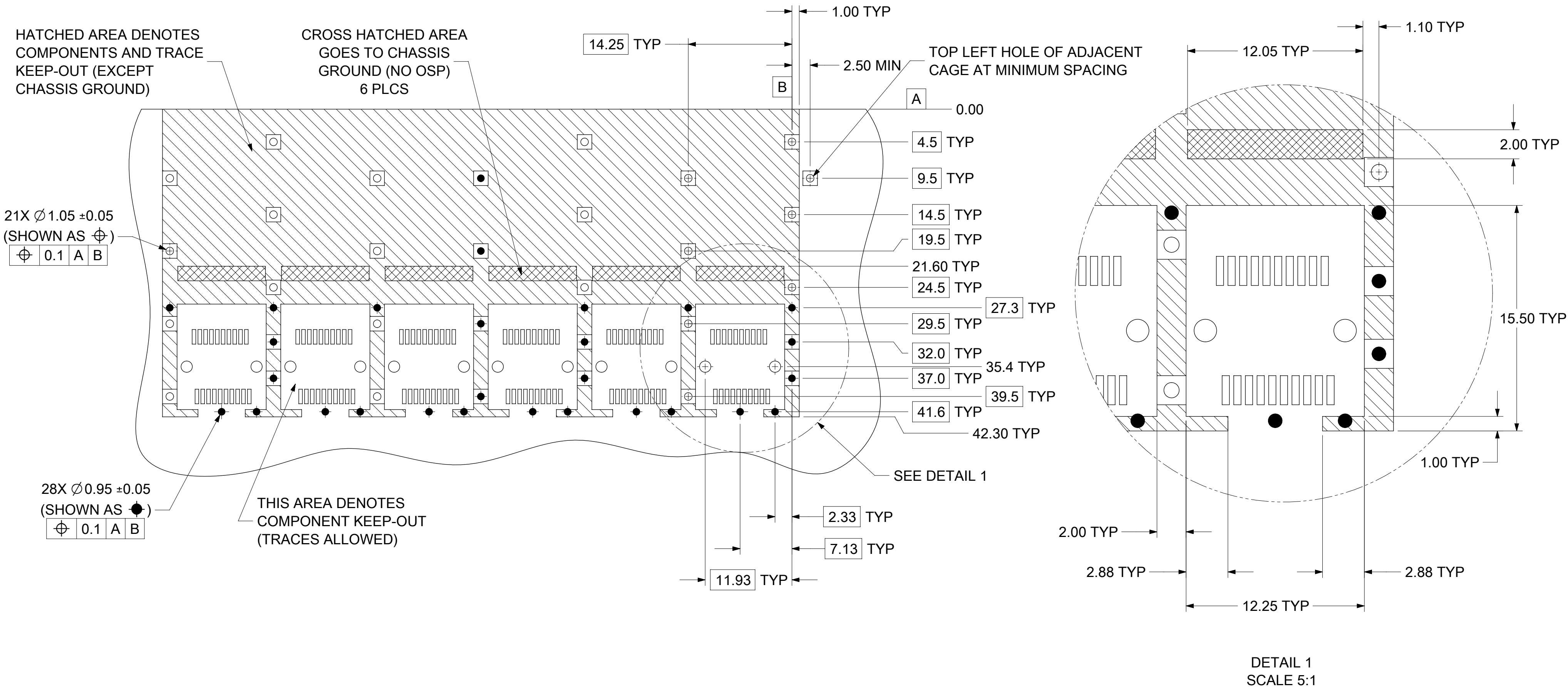
NOTE: PCI - 13 ROWS
SAN - 11 ROWS
NETWORKING - 10 ROWS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.				<div>molex</div>									
mm		1.25:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)								SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS									
ANGULAR TOL ± 1.0 °																	
EC NO: 680890																	
4 PLACES		±		DRWN: SANTHN		2021/05/24		PRODUCT CUSTOMER DRAWING									
3 PLACES		±		CHK'D: GGA		2021/11/25											
2 PLACES		± 0.15		APPR: GGA		2021/11/25											
INITIAL REVISION:				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION					
1 PLACE		± 0.25												DRWN: MHANUMAPPARE		2017/02/23	
0 PLACES		±												APPR: RCHEN08		2017/05/03	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
						C-SIZE		111112		SEE SHEET 4		GENERAL MARKET		4 OF 9			

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:23
-----------------	----	--------------	------------	----------

PCB LAYOUT FOR SINGLE SIDE MOUNT

HOST CONNECTOR DETAIL



- 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																
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.												
mm		2.5:1														
GENERAL TOLERANCES (UNLESS SPECIFIED)				<div>molex</div> <div>SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS</div>												
ANGULAR TOL ± 1.0 °				EC NO: 680890 DRWN: SANTHN CHK'D: GGA APPR: GGA												
4 PLACES		±		2021/05/24 2021/11/25 2021/11/25												
3 PLACES		±														
2 PLACES		± 0.15		INITIAL REVISION: DRWN: MHANUMAPPARE APPR: RCHEN08												
1 PLACE		± 0.25														
0 PLACES		±		2017/02/23 2017/05/03												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING C-SIZE		SERIES 111112		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
												1111122620		PSD	ASY	H3
MATERIAL NUMBER				CUSTOMER				SHEET NUMBER								
SEE SHEET 4				GENERAL MARKET				5 OF 9								

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

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

42X Ø1.05 ±0.05 (SHOWN AS ⊕)

40X Ø0.95 ±0.05 (SHOWN AS ●)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

NOTE: SEE SHEET 5 FOR HOST CONNECTOR DETAIL

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

DIMENSION UNITS: mm SCALE: 3:1

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

THIRD ANGLE PROJECTION

CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.

EC NO: 680890

DRWN: SANTHN 2021/05/24

CHK'D: GGA 2021/11/25

APPR: GGA 2021/11/25

INITIAL REVISION:

DRWN: MHANUMAPPARE 2017/02/23

APPR: RCHEN08 2017/05/03

DRAWING: C-SIZE

SERIES: 111112

DOCUMENT NUMBER: 111122620

MATERIAL NUMBER: SEE SHEET 4

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 6 OF 9

DOC TYPE: PSD

DOC PART: ASY

REVISION: H3

PRODUCT CUSTOMER DRAWING

SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

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

42X Ø1.05 ±0.05 (SHOWN AS ⊕)

40X Ø0.95 ±0.05 (SHOWN AS ●)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

NOTE: SEE SHEET 5 FOR HOST CONNECTOR DETAIL

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

DIMENSION UNITS: mm SCALE: 3:1

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

THIRD ANGLE PROJECTION

CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.

EC NO: 680890

DRWN: SANTHN 2021/05/24

CHK'D: GGA 2021/11/25

APPR: GGA 2021/11/25

INITIAL REVISION:

DRWN: MHANUMAPPARE 2017/02/23

APPR: RCHEN08 2017/05/03

DRAWING: C-SIZE

SERIES: 111112

DOCUMENT NUMBER: 111122620

MATERIAL NUMBER: SEE SHEET 4

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 6 OF 9

DOC TYPE: PSD

DOC PART: ASY

REVISION: H3

PRODUCT CUSTOMER DRAWING

SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

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

42X Ø1.05 ±0.05 (SHOWN AS ⊕)

40X Ø0.95 ±0.05 (SHOWN AS ●)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

NOTE: SEE SHEET 5 FOR HOST CONNECTOR DETAIL

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

DIMENSION UNITS: mm SCALE: 3:1

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

THIRD ANGLE PROJECTION

CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.

EC NO: 680890

DRWN: SANTHN 2021/05/24

CHK'D: GGA 2021/11/25

APPR: GGA 2021/11/25

INITIAL REVISION:

DRWN: MHANUMAPPARE 2017/02/23

APPR: RCHEN08 2017/05/03

DRAWING: C-SIZE

SERIES: 111112

DOCUMENT NUMBER: 111122620

MATERIAL NUMBER: SEE SHEET 4

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 6 OF 9

DOC TYPE: PSD

DOC PART: ASY

REVISION: H3

PRODUCT CUSTOMER DRAWING

SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS

- PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

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

42X Ø1.05 ±0.05 (SHOWN AS ⊕)

40X Ø0.95 ±0.05 (SHOWN AS ●)

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

NOTE: SEE SHEET 5 FOR HOST CONNECTOR DETAIL

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

DIMENSION UNITS: mm SCALE: 3:1

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

THIRD ANGLE PROJECTION

CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.

EC NO: 680890

DRWN: SANTHN 2021/05/24

CHK'D: GGA 2021/11/25

APPR: GGA 2021/11/25

INITIAL REVISION:

DRWN: MHANUMAPPARE 2017/02/23

APPR: RCHEN08 2017/05/03

DRAWING: C-SIZE

SERIES: 111112

DOCUMENT NUMBER: 111122620

MATERIAL NUMBER: SEE SHEET 4

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 6 OF 9

DOC TYPE: PSD

DOC PART: ASY

REVISION: H3

PRODUCT CUSTOMER DRAWING

SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS

12 11 10 9 8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

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

42X Ø1.05 ±0.05 (SHOWN AS ⊕)

⊕ 0.1 A B

40X Ø0.95 ±0.05 (SHOWN AS ●)

⊕ 0.1 A B

THIS AREA DENOTES COMPONENT KEEP-OUT (TRACES ALLOWED)

14.25 TYP

1.00 TYP

2.50 MIN

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

41.6 TYP

42.30 TYP

2.33 TYP

7.13 TYP

11.93 TYP

NOTE:
SEE SHEET 5 FOR
HOST CONNECTOR DETAIL

TOP LEFT HOLE OF ADJACENT CAGE AT MINIMUM SPACING

12 11 10 9 8 7 6 5 4 3 2 1

H

G

F

E

D

C

B

A

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

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:23
-----------------	----	--------------	------------	----------

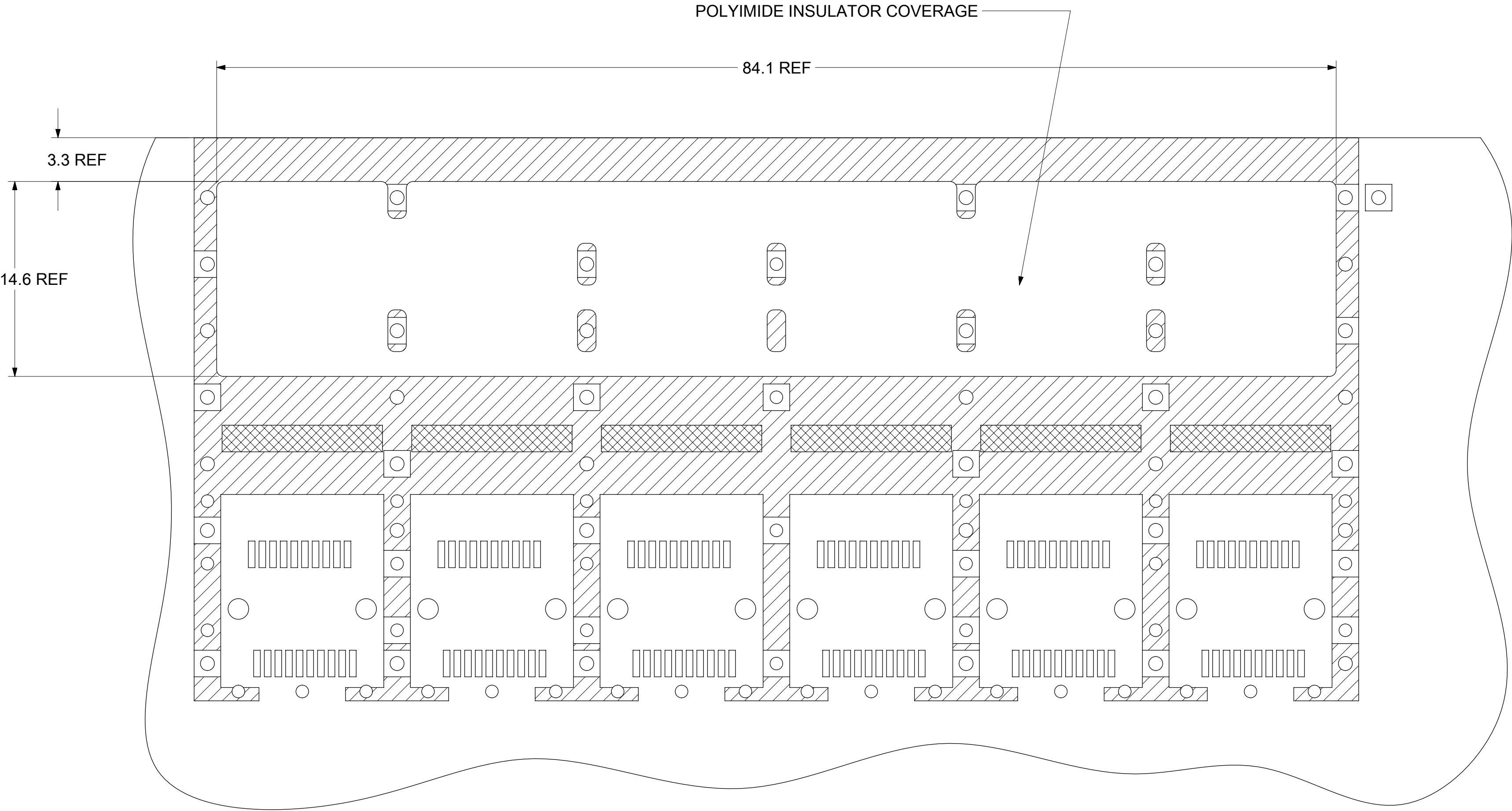
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.		molex		
mm	3:1			SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS		
GENERAL TOLERANCES (UNLESS SPECIFIED)						
ANGULAR TOL	± 1.0 °	EC NO: 680890				
4 PLACES	±	DRWN: SANTHN 2021/05/24				
3 PLACES	±	CHK'D: GGA 2021/11/25				
2 PLACES	± 0.15	APPR: GGA 2021/11/25		PRODUCT CUSTOMER DRAWING		
1 PLACE	± 0.25	INITIAL REVISION:		DOCUMENT NUMBER		
0 PLACES	±	DRWN: MHANUMAPPARE 2017/02/23		1111122620		
		APPR: RCHEN08 2017/05/03		PSD ASY H3		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	SHEET NUMBER
			C-SIZE	111112	SEE SHEET 4	6 OF 9
					CUSTOMER	
					GENERAL MARKET	

12 11 10 9 8 7 6 5 4 3 2 1

POLYIMIDE INSULATOR COVERAGE AREA

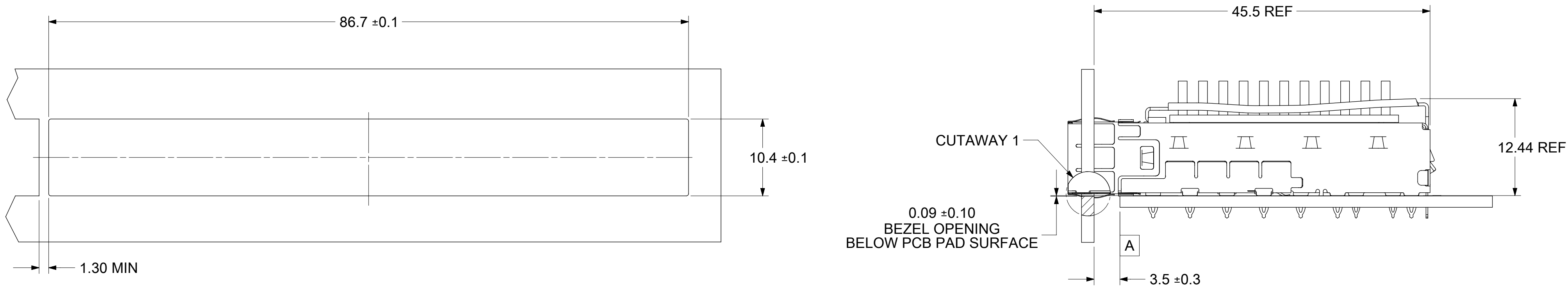
(APPLIES TO SINGLE SIDED AND BELLY TO BELLY)



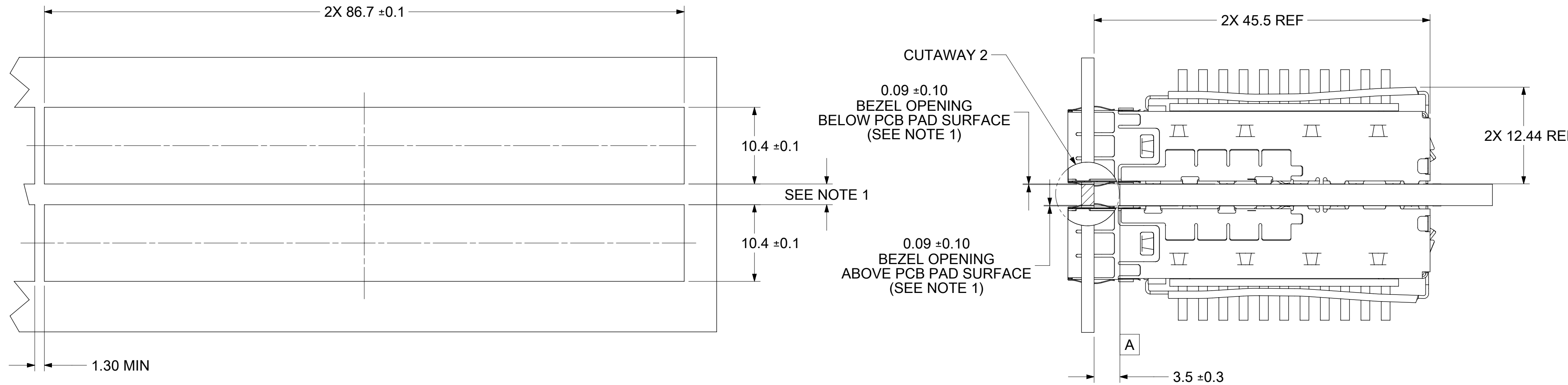
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.				<div>molex</div>					
mm		4:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 680890 DRWN: SANTHN 2021/05/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25				SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS					
ANGULAR TOL		±	1.0 °					PRODUCT CUSTOMER DRAWING					
4 PLACES		±						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
3 PLACES		±						1111122620		PSD	ASY	H3	
2 PLACES		±	0.15										
1 PLACE		±	0.25	INITIAL REVISION:		1111122620		PSD	ASY	H3			
0 PLACES		±		DRWN: MHANUMAPPARE 2017/02/23 APPR: RCHEN08 2017/05/03									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
				C-SIZE	111112	SEE SHEET 4			GENERAL MARKET		7 OF 9		

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/25	12:19:23
-----------------	----	--------------	------------	----------

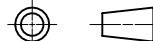
BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



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														
DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#509457.				<div>molex</div> <div>SFP+ 1X6 CAGE, .120 INCH PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS</div>						
mm		2.5:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 680890 DRWN: SANTHN 2021/05/24 CHK'D: GGA 2021/11/25 APPR: GGA 2021/11/25						PRODUCT CUSTOMER DRAWING				
ANGULAR TOL ± 1.0 °														
4 PLACES		±												
3 PLACES		±						DOCUMENT NUMBER <div>1111122620</div>				DOC TYPE <div>PSD</div>	DOC PART <div>ASY</div>	REVISION <div>H3</div>
2 PLACES		± 0.15												
1 PLACE		± 0.25												
0 PLACES		±						INITIAL REVISION: DRWN: MHANUMAPPARE 2017/02/23 APPR: RCHEN08 2017/05/03				SHEET NUMBER <div>8 OF 9</div>		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														
THIRD ANGLE PROJECTION <div></div>				DRAWING <div>C-SIZE</div>	SERIES <div>111112</div>	MATERIAL NUMBER <div>SEE SHEET 4</div>							CUSTOMER <div>GENERAL MARKET</div>	

molex

SFP+ 1X6 CAGE, .120 INCH
PRESS FIT, HEAT SINKS, WITH EMI SPRING FINGERS

PRODUCT CUSTOMER DRAWING

1111122620

PSD

ASY

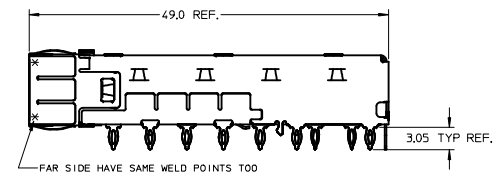
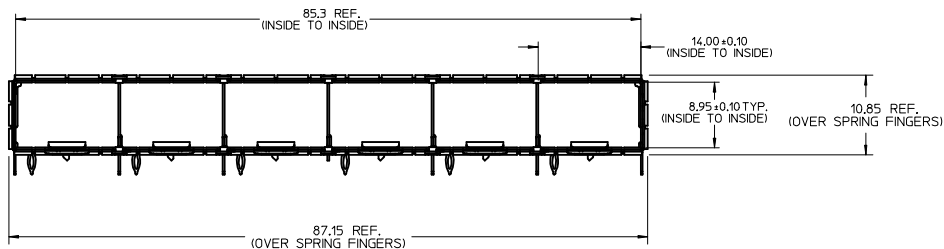
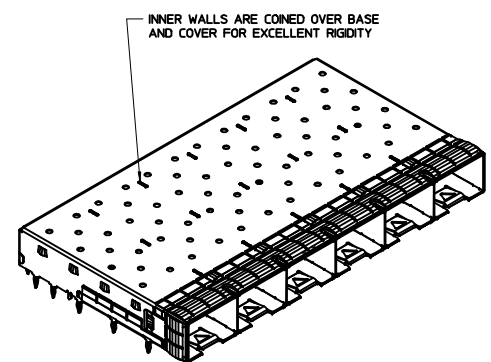
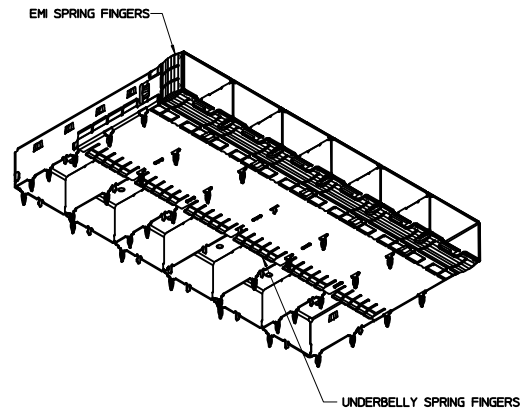
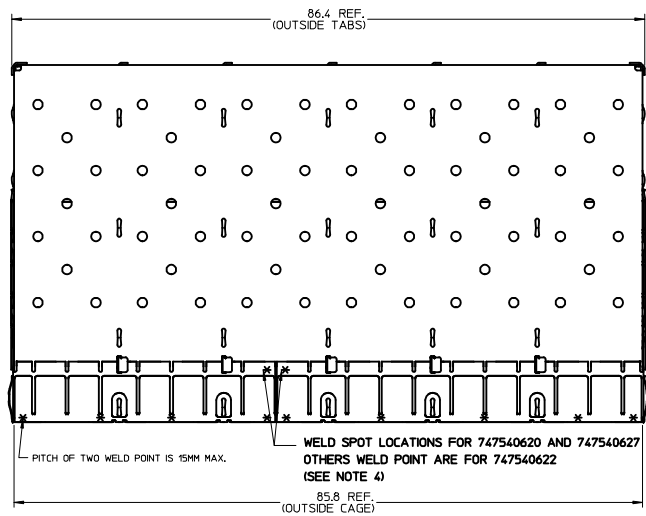
H3

GENERAL MARKET

8 OF 9

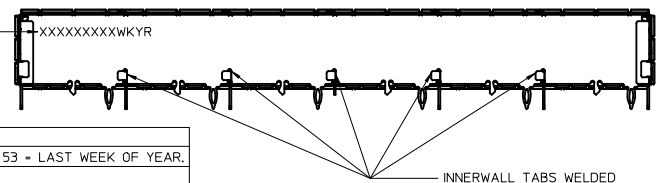
	12		11		10		9		8		7		6		5		4		3		2		1
H																							
G																							
F																							
E																							
D																							
C																							
B																							
A																							

REV	DATE	DESCRIPTION
1	2011/06/21	1. INITIAL RELEASE
A	2011/06/30	1. UPDATED THE CAGE TOP TO INCLUDE HOLES FOR LIGHTPIPES.
B	2011/08/18	1. REVISED NOTES; CHANGED HEATSINK HEIGHT FROM 8.63 TO 6.5; TABULARIZED PCI, SAN, AND NETWORKING; ADDED HEATSINK HEIGHT WITH MODULE INSERTED [SHT1]. MOVED TABLE AND EXPLODED VIEW TO SHEET 2 AND REORDERED FOLLOWING SHEETS. REMOVED NOTE 6 [SHT1]. UPDATED VIEWS [SHT5]; REMOVED WELD SPOTS [SHT1]; UPDATED ALL SHEETS TO NEW FRAME.
C	2012/07/31	1. HIDE HEATSINK CLIP FROM TOP VIEW, REMOVED CUTAWAY AND ADDED "SEE TABLE ON SHEET 2" TO BOTTOM 1 VIEW, ADDED MODEL NOTATION IN TOP CORNER ON SHEET 1,MOVED VIEW FOR HEATSINK HEIGHT FROM SHEET 1 TO SHEET 2 AND REMOVED HEAT SINK HEIGHT TABLE FROM SHEET 1, ADDED KAPTON TAPE MODEL TO EXPLODED VIEW ON SHEET 2, REMOVED DIM 'B' FROM SHEET 2, EXPANDED P/N TABLE ON SHEET 2 TO INCLUDE HEAT SINK DIM AND KAPTON TAPE OPTIONS, REWORDED ANNOTATIONS FOR CORRECT ORIENTATION ON SHEET 5
D	2012/10/22	1. NEW SHEET 2: ISO VIEWS OF CAGE WITH THREE DIFFERENT SIZES EACH OF THREE DIFFERENT HEATSINK TYPES AND ISO VIEW OF CAGE WITH KAPTON TAPE OPTION, ANNOTATIONS TO POINT TO EACH HEATSINK SIZE, SIDE VIEW OF CAGE WITH DIMENSION, TABLES UNDER EACH VIEW WITH DIMESIONS FOR EACH HEATSINK SIZE, SHEET TITLE.SHEET 3: REMOVED ISO VIEW AND REPLACED WITH 4 VIEWS OF CAGE WITHOUT HEATSINKS AND WITH EACH OF THREE DIFFERENT TYPES OF HEATSINK, ADDED TABLES BELOW EACH VIEW WITH PART NUMBERS ACCORDING TO HEATSINK TYPE AND SIZE AND PRESENCE OR ABSENCE OF KAPTON TAPE, ADDED SHEET TITLE.NEW SHEET 6: TWO VIEWS OF PCB FOR SINGLE SIDE AND BELLY TO BELLY MOUNTING SHOWING POLYIMIDE INSULATOR COVERAGE AND DIMENSIONS.
E	2013/02/08	1. ADDED EMI SPRING FINGER UNCOMPRESSED OVERALL DIMENSIONS TO FRONT VIEW, @F17 & 13. UPDATED FINISHED ASSEMBLY PRINTED PN/DATE CODE, ADDED BACK VIEW AND INNER WALL WELD NOTE, @E4. REMOVED BELLY ISO VIEW. ADDED DIMENSION 9.98 REF TOP OF COIN, @F7. MOVED MIN PCB THICKNESS NOTE TO RESPECTIVE PCB LAYOUT SHEETS. 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 E9. ADDED ISO VIEW TO IDENTIFY UNDER BELLY GASKET @E3, TOP VIEW OF OPEN TOP & DIMENSIONS @J16. (SHEET 2) 3. ADDED PN'S 747540620, 747540622 & 1111110620 ADDING VIEWS AND PN TABLES. ADDED "SFP+" TO TABLES (SHEET 3) 4. REMOVED SINGLE SIDED VIEW AND ADDED APPLICATION NOTE TO TOP OF SHEET. (SHEET 6) 5. ADDED CENTER LINES TO BEZELS. REMOVED CUTAWAY 1 & 3 SIDE VIEWS, RENAMED CUTAWAY 2 TO CUTAWAY 1 AND CUTAWAY 4 TO CUTAWAY 2. REMOVED "SEE NOTE 1" FROM BEZEL OPENING DIMENSION "10.4±0.1", @K10. ADDED "SEE NOTE 1" @E10. REMOVED "SIZE AND" FROM NOTE 1. CORRECTED 3D MODEL CHANGING DIMENSION 12.48 TO 12.44, @K1 & F1. (SHEET 7) 6. MOVED NOTES TO BOTTOM LEFT CORNER AND INCREASED TEXT HEIGHT. (SHEETS 1, 4, 5 & 7)
F	2014/02/11	1. CHANGED "WILL" TO "MAY" IN NOTE 4 ON SHEET 1. 2. REMOVED ISO VIEW AND ADDED RIGHT SIDE VIEW @E4 SHEET 2. ADDED NEW SHEET 3 WITH 100115-0620. 3. REMOVED DATE CODE AND NOTES FROM VIEW @E10 AND ADDED TO VIEW @E7 AND UPDATED MATERIAL NO. "WAS" 3 "NOW" 4 ON SHEETS 1, 2, 5 - 9. 4. MOVED HEATSINK NOTES TO LOWER LEFT CORNER AND ADDED VIEW AND PN TABLE FOR 1001150620 ON SHEET 4. 5. REMOVED 111111-0620 FROM SHEET 4 AND REPLACED WITH ISO VIEW AND TABLE FOR 100115-0620. 6. REVISED NOTE "WAS SEE SHEET 2 "NOW" SEE SHEET 5 @I3 SHEET 6.
G	2017/02/24	REMASTERED FROM SD-111112-2620 REV_F TO 1111122620 PSD ASY REV_G IN NX SHEET 8 : D1 : ADDED 2X TO THE DIM 12.44 REF
H	2017/11/02	SHEET 2: D2: CHANGED TO DOUBLE ROWS FOR DATE CODE. SHEET 4: P/N 1111128620 OBSOLETED
H1	2019/12/19	S




- NOTES:
- MATERIAL:
 - CAGE: 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.
 - WELD SPOTS MAY SHOW SLIGHT MATERIAL DISCOLORATION.
 - PORTS ARE DESIGNED FOR SFP+ TRANSCEIVERS AND ARE COMPATIBLE WITH SFP TRANSCEIVERS.
 - NO RoHS EXEMPTIONS.

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

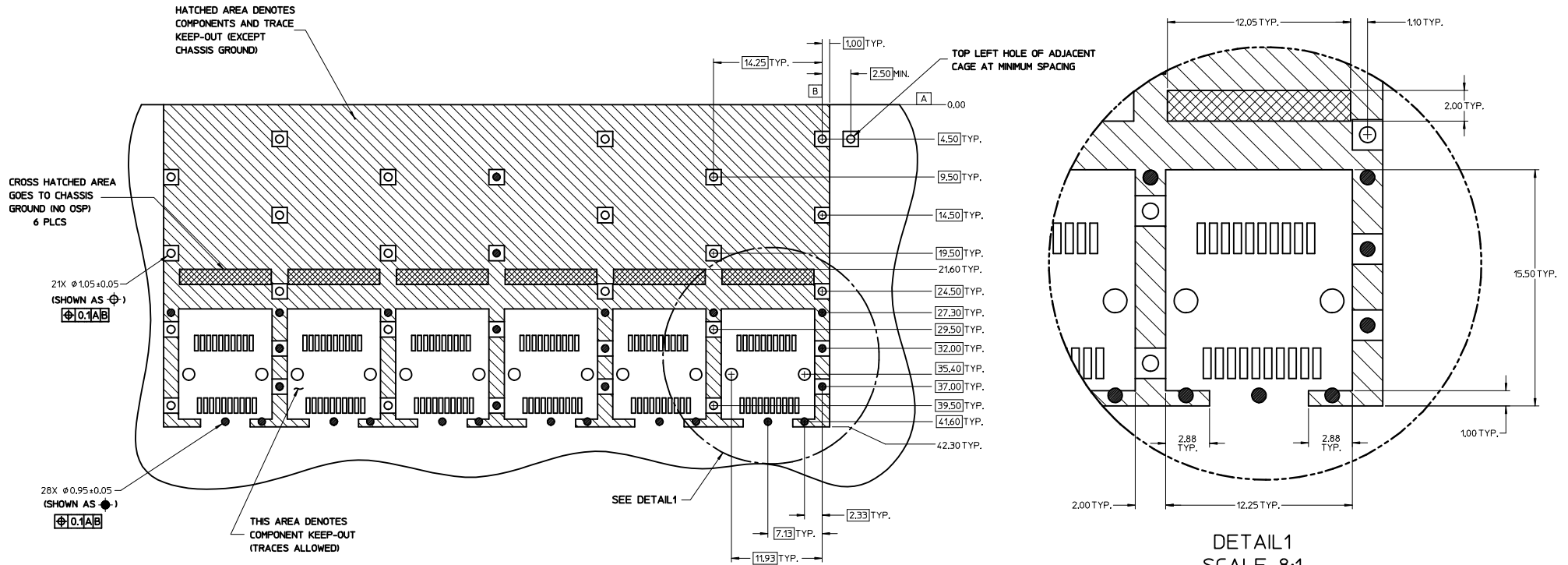


WEEK / YEAR DATE CODE:	
WK	01 THRU 52 OR 53,EXAMPLE: 01 = FIRST WEEK OF YEAR 52 OR 53 = LAST WEEK OF YEAR.
YR	12, 13, 14, EXAMPLE: 2014=14

SFP+ 1X6 CAGES PRESS FIT W/ SPRING FINGERS		
MOLEX P/N	DESCRIPTION	PLATING
747540620	SFP+ 1X6 CAGE PRESS FIT W/2 WELD POINT W/ 5 WELD REAR TABS	PRE-PLATED: NICKEL (1.27~3.81 μm)
747540622	SFP+ 1X6 CAGE PRESS FIT W/ WELD POINT ON FOUR SIDES	PRE-PLATED: NICKEL (1.27~3.81 μm)
747540627	SFP+ 1X6 CAGE PRESS FIT W/2 WELD POINT W/ 5 WELD REAR TABS	PRE-PLATED: NICKEL (1.27~3.81 μm) OVER ALL: MAT TIN (2.0 μm Min.)


SEE REVISION TABLE EC NO: CP02016-0444 DRAWN: PGSHETTY 2015/07/28 CHKD: APPR: RCHEN08 2015/07/31 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	DRAWN BY KLLOYD	DATE 2007/09/07	TITLE SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG			
	▽=0	4 PLACES ± ---	± ---	CHECKED BY MA JOHNSTON	DATE 2007/09/07	molex			
	▽=0	3 PLACES ± ---	± ---	APPROVED BY RMAHMOOD	DATE 2007/09/07				
	▽=0	2 PLACES ± 0.15	± ---	MATERIAL NO. SD-74754-0620					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1 °		SEE P/N TABLE		DOCUMENT NO.	SHEET NO. 1 OF 5	
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

PCB LAYOUT FOR SINGLE SIDE MOUNT

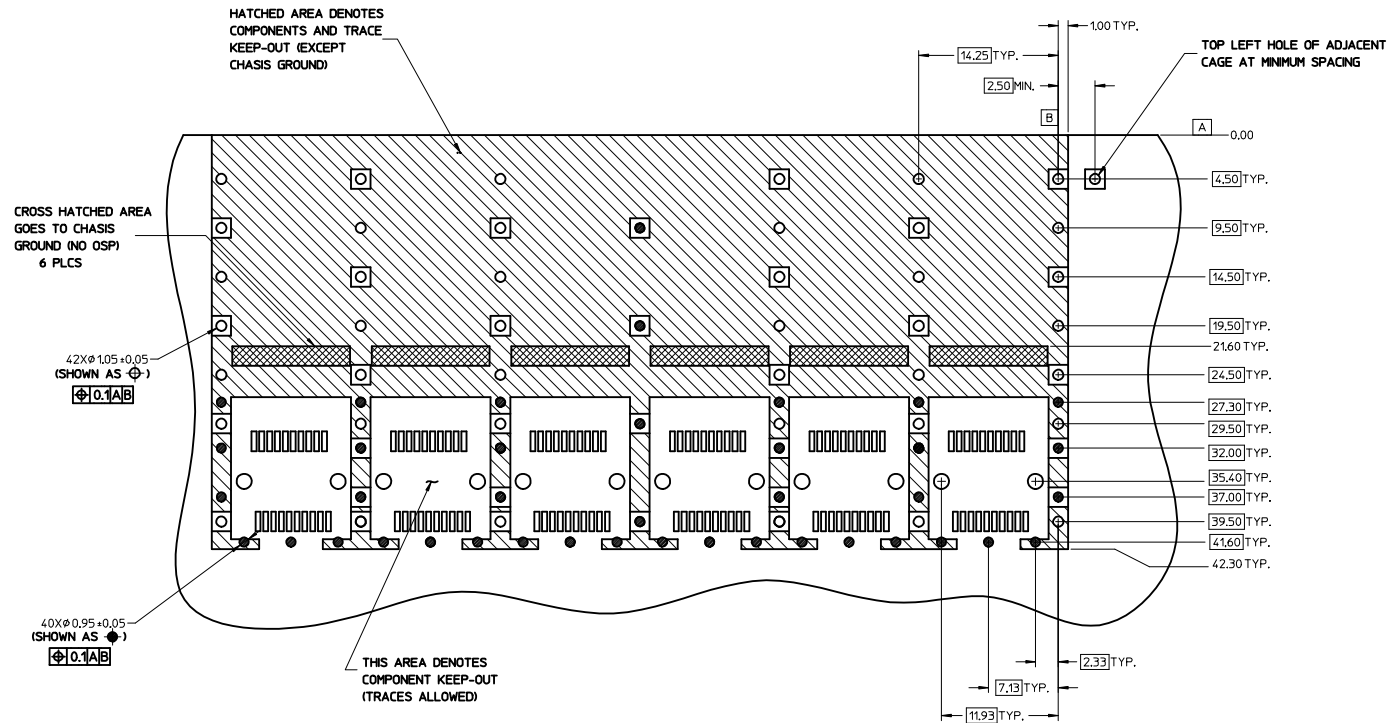


NOTES:

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.

SEE REVISION TABLE EC NO: CPG2016-0444 DRAWN:PGSHETTY CHKD: APPR:RCHEN08 2015/07/28 2015/07/31	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION
					MM ONLY		1:1	METRIC	
					DRAWN BY	DATE	TITLE		
			4 PLACES		KLLOYD	2007/09/07	SFP+ 1X6 CAGE, PRESS FIT		
			3 PLACES		CHECKED BY	DATE	W/ SPRING FINGER EMI,		
			2 PLACES		MAJOHNSTON	2007/09/07	BELLY TO BELLY MNTG		
			0 PLACE		APPROVED BY	DATE	molex		
			1 PLACE		RMAHMOOD	2007/09/07			
					MATERIAL NO.	DOCUMENT NO.			
					SEE P/N TABLE		SD-74754-0620		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				2 OF 5			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



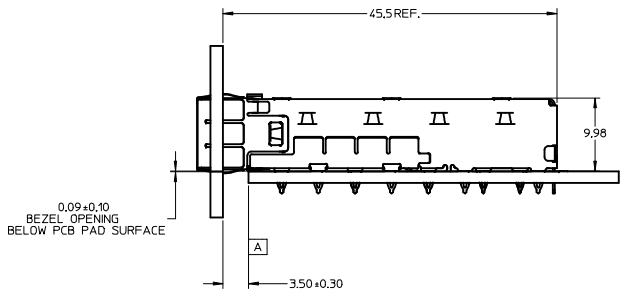
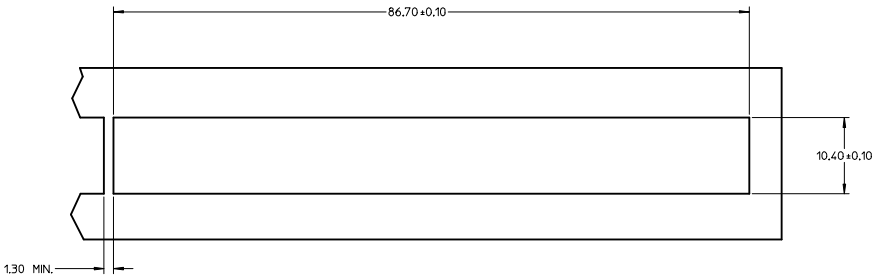
NOTE:
SEE SHEET 2 FOR
HOST CONNECTOR DETAIL

NOTES:

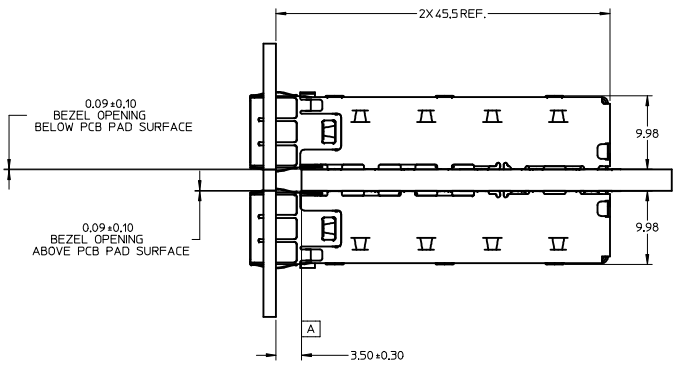
1. PADS AND VIAS CONNECT TO CHASSIS GROUND. (RECOMMEND PADS TO BE 2.00mm SQUARE)
2. RECOMMENDED THRU HOLE PLATING INCLUDES HASL, OSP, OR IMMERSION. (GOLD, SILVER, OR TIN).
3. CONNECTOR PAD LAYOUT PER SFP+ MSA WILL ACCOMMODATE MOLEX CONNECTOR SERIES 74441 OR EQUIVALENT.
4. HOLE PATTERN REPEATS FOR EACH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

REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
REV	DESCRIPTION	SYMBOL	VALUE	MM	INCH	MM ONLY	DATE	1:1	METRIC	METRIC			
1	SEE REVISION TABLE	▽=0	4 PLACES ±---	±---	±---	DRAWN BY	DATE						
2	EC NO: CPG2016-0444	▽=0	3 PLACES ±---	±---	±---	CHECKED BY	DATE						
3	DRW:PGSHETTY 2015/07/28	▽=0	2 PLACES ±0.15	±---	±---	MA/JOHNSTON	2007/09/07						
4	CHXO: APPR:CHEN08 2015/07/31		1 PLACE ±0.25	±---	±---	APPROVED BY	DATE						
5			0 PLACE ±	±	±	MAHMOOD	2007/09/07						
				ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		SD-74754-0620					
						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, SIZE, AND LOCATION.

SEE REVISION TABLE		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
REV	DESCRIPTION			mm	INCH	MM ONLY	DATE			
1	4 PLACES ± .005	▽=0	▽=0	± .005	± .0004	KLOYD	2007/09/07	1:1	METRIC	SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG molex DOCUMENT NO. SD-74754-0620 SHEET NO. 4 OF 5
2	3 PLACES ± .005	▽=0	▽=0	± .005	± .0004	CHECKED BY MAJOHNSTON	2007/09/07			
3	2 PLACES ± .015	▽=0	▽=0	± .015	± .0006	APPROVED BY RMAHMOOD	2007/09/07			
4	1 PLACE ± .025	▽=0	▽=0	± .025	± .0010					
5	0 PLACE ± .025	▽=0	▽=0	± .025	± .0010					
SEE REVISION TABLE		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR ± 1 °		SEE P/N TABLE				
SIZE						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

REVISION HISTORY		
REV	DATE	
C	2009/04/13	INITIAL RELEASE
D	2012/10/29	1. ADDED P/N 747540622 AND 747540627. [SHT 1]
E	2012/12/21	1. ADDED 747540627 TO WELD LOCATION CALLOUT. [SHT 1] 2. REMOVED TYP. FROM DIM 85.3. [SHT 1] 3. ADDED "MM 3D MODEL: EM-74754-0620-ASSY" MODEL NAME ON LEF TOP CORNER. [SHT 1] 4. CHANGED NOTE 6 AS "NO RoHS EXEMPTIONS". [SHT 1] 5. ADDED BACK VIEW FOR DATE CODE INFORMATION. [SHT 1] 6. ADDED REF TO DIM 86.4, 85.8, 85.3, 49.0, AND 3.05 [SHT 1] 7. REMOVED "WELDED REAR TABS (X5)". [SHT 1] 8. CHANGED "14.25 TYP" & "2.5 MIN" TO A BASIC DIMENSION. [SHT 2 & 3] 9. FILLED IN HOLES IN DETAIL 1. [SHT 2] 10. REMOVED INCH DIMS. [SHT 2 & 3] 11. REMOVED "(SEE NOTE 1)" X4. [SHT 4] 12. CHANGED "BELOW" TO "ABOVE" IN BOTTOM 0.09±0.10 DIM. [SHT 4]
F	2014/09/11	1. ADDED 74754-0627 PLATING SPEC. INTO TABLE. [SHT 1]
G	2015/07/27	"MODIFIED PCB LAYOUT PER SFF-8433" SHEET 2: @H19 : ADDED TOL OF ±0.05 TO DIM Ø1.05 @H19 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 @E19 : ADDED TOL OF ±0.05 TO DIM Ø0.95 @E19 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 SHEET 3: @H18 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1 @E18 : CHANGED TRUE POSITION OF PCB HOLES FROM 0.05 TO 0.1

SEE REVISION TABLE EC NO. CPG2016-0444 DRAWN: PGSHETTY CHKD: CHYD APPR: RCHE08 REV: 2015/07/31	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				DRAWN BY KLLOYD	DATE 2007/09/07	TITLE SFP+ 1X6 CAGE, PRESS FIT W/ SPRING FINGER EMI, BELLY TO BELLY MNTG				
				CHECKED BY MA JOHNSTON	DATE 2007/09/07					
				APPROVED BY RMAHMOOD	DATE 2007/09/07					
				ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		SD-74754-0620		5 OF 5
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								