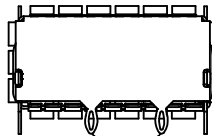
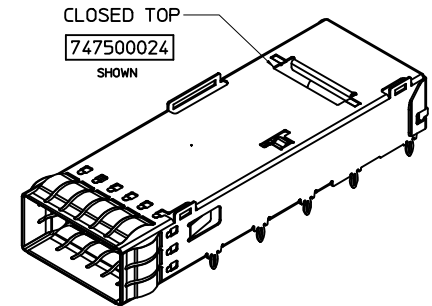


[illegible]

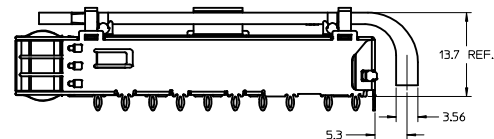
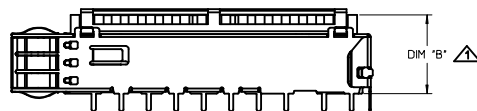
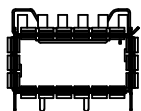
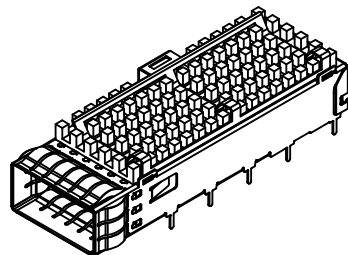
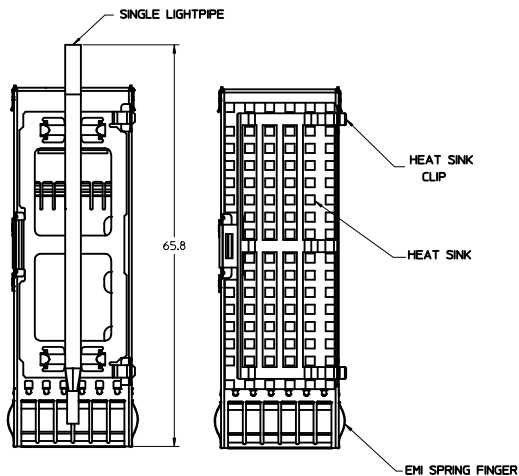
	WEEK/YEAR DATE CODE TABLE
WW	01 THRU 52 EXAMPLE: 01 = FIRST WEEK OF YEAR 52 = LAST WEEK OF YEAR
YY	11, 12, 13 ETC. EXAMPLE: YEAR 2013 = 13



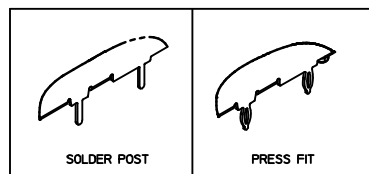
1. PRESS FIT LEGS 2.28 / 3.05 mm LONG
2. SOLDER POST LEGS 1.90 / 2.90 mm LONG
3. SINGLE SIDED BOARD THICKNESS
NOMINAL: 1.60
MINIMUM: 1.44
- BELLY TO BELLY BOARD THICKNESS
NOMINAL: 2.30
MINIMUM: 2.07
4. MATERIAL: COPPER ALLOY (PLATED PRIOR TO CUTTING AND FORMING)
CAGE: 0.25 mm THICK COPPER ALLOY, NICKEL PLATED OR TIN
SPRING FINGER: 0.08 mm THICK COPPER ALLOY, NICKEL PLATED
HEAT SINK CLIP: STAINLESS STEEL
LIGHT PIPES: POLYCARBONATE (UL 94-V0 RATED)
HEATSINKS: ANNOXIDIZED ALUMINUM
5. REFERENCE DOCUMENTS: PRODUCT SPECIFICATION: QSFP MSA
6. CUSTOM HEATSINKS AVAILABLE UPON REQUEST
7. QSFP+ ASSEMBLES ALSO AVAILABLE IN 1X2 (74767 SERIES),
1X3 (74768 SERIES), 1X4 (74769 SERIES) AND 1X6 (74771 SERIES).
8. PACKAGED IN TRAY.
9. NO RoHS EXEMPTIONS.

Ib_frame_D_P_AM_T
Rev. 6 2013/01/11

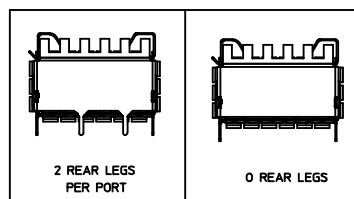
CAGE ASSEMBLY OPTIONS



LEG TYPE OPTIONS



REAR LEG OPTIONS



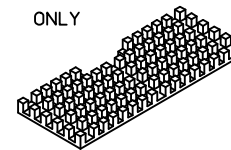
HEATSINK HEIGHT OPTIONS

OVERALL HEATSINK HEIGHT	DIM B	TOL
PCI	13.7	+0.25
SAN	16.0	-0.73
NET	23.0	

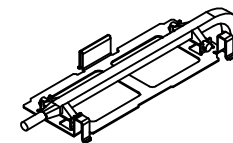
HEIGHT OF HEATSINK WITH MODULE INSERTED.
DIMENSION MAY BE LESS DUE TO MODULE AND HEATSINK VARIATIONS.

HEATSHINK AND LIGHT PIPE OPTIONS

HEAT SINK ONLY

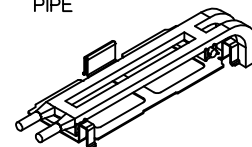


SINGLE LIGHT PIPE



MOLEX P/N: 747500030

DUAL LIGHT PIPE

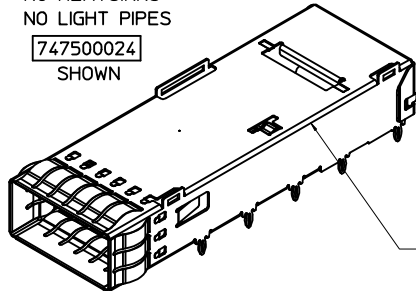


MOLEX P/N: 747500031

SEE REVISION SHEET IEC NO: CPG2015-1999 DRAWN: ERWIN CHYKOGARDELLA APPROVED: 2014/10/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED): DIM INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: CHIRSCHY CHECKED BY: BRUSSELL APPROVED BY: RMAHMOOD DATE: 2007/07/23 DATE: 2007/07/23 DATE: 2010/11/01	SCALE 2.5:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS molex MATERIAL NO. SD-74750-0021 DOCUMENT NO.	SHEET NO. 2 OF 8

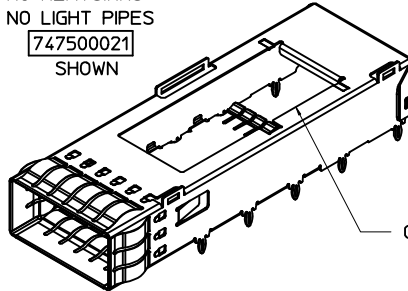
PART NUMBER SELECTION

NO HEATSINKS
NO LIGHT PIPES
747500024
SHOWN



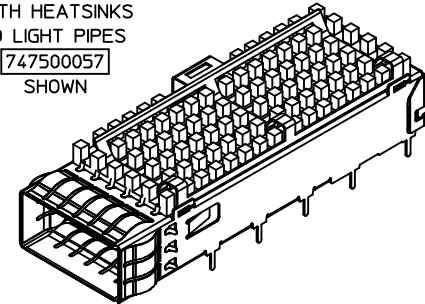
CLOSED TOP

NO HEATSINKS
NO LIGHT PIPES
747500021
SHOWN



OPEN TOP

WITH HEATSINKS
NO LIGHT PIPES
747500057
SHOWN

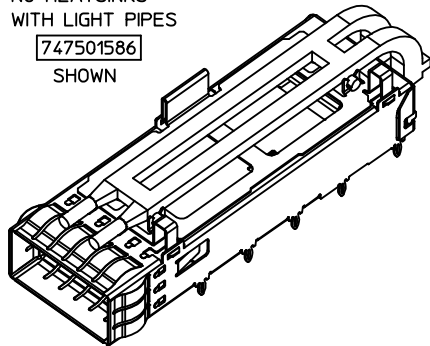


MOLEX P/N		# OF REAR LEGS PER PORT	DIM A	PLATING
LEG TYPE PRESS FIT	LEG TYPE SOLDER POST			
747500024	---	2	2.28	NICKEL
---	747500051	2	1.9	NICKEL
---	747500053	2	1.9	MATTE TIN
---	747500056	2	1.9	BRIGHT TIN

MOLEX P/N		# OF REAR LEGS PER PORT	DIM A	PLATING
LEG TYPE PRESS FIT	LEG TYPE SOLDER POST			
747500012	---	2	3.05	NICKEL
747500021	---	2	2.28	NICKEL
747500023	---	0	2.28	NICKEL
---	747500058	2	2.90	NICKEL
---	747500062 *	2	2.90	NICKEL

MOLEX P/N		# OF REAR LEGS PER PORT	DIM A	DIM B	PLATING
LEG TYPE PRESS FIT	LEG TYPE SOLDER POST				
---	747500057	2	2.9	13.7	NICKEL
747500040	---	2	2.28	16.0	NICKEL
747500042	---	0	2.28	16.0	NICKEL
747500044	---	2	2.28	13.7	NICKEL
747500046	---	2	2.28	23.0	NICKEL

NO HEATSINKS
WITH LIGHT PIPES
747501586
SHOWN



MOLEX ASSEMBLY P/N	MOLEX P/N		LIGHT PIPE ASSEMBLY P/N	#OF REAR LEGS PER PORT	DIM A	PLATING
	LEG TYPE PRESS FIT	LEG TYPE SOLDER POST				
747501586	747500024	---	747500031	2	2.28	NICKEL

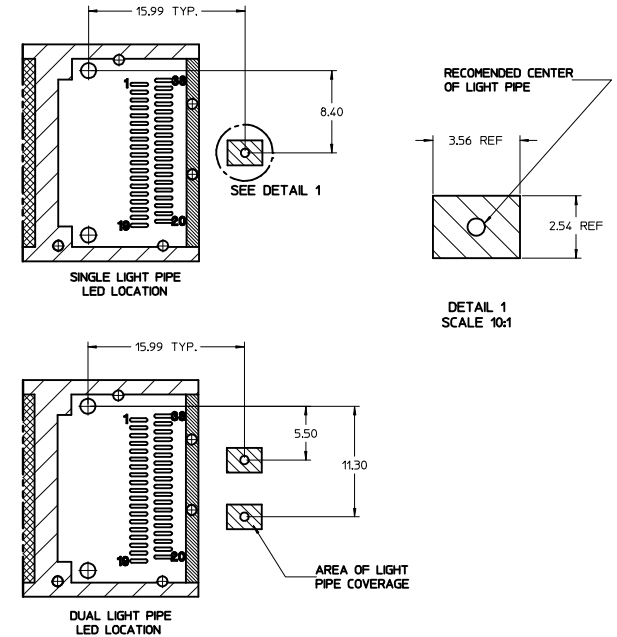
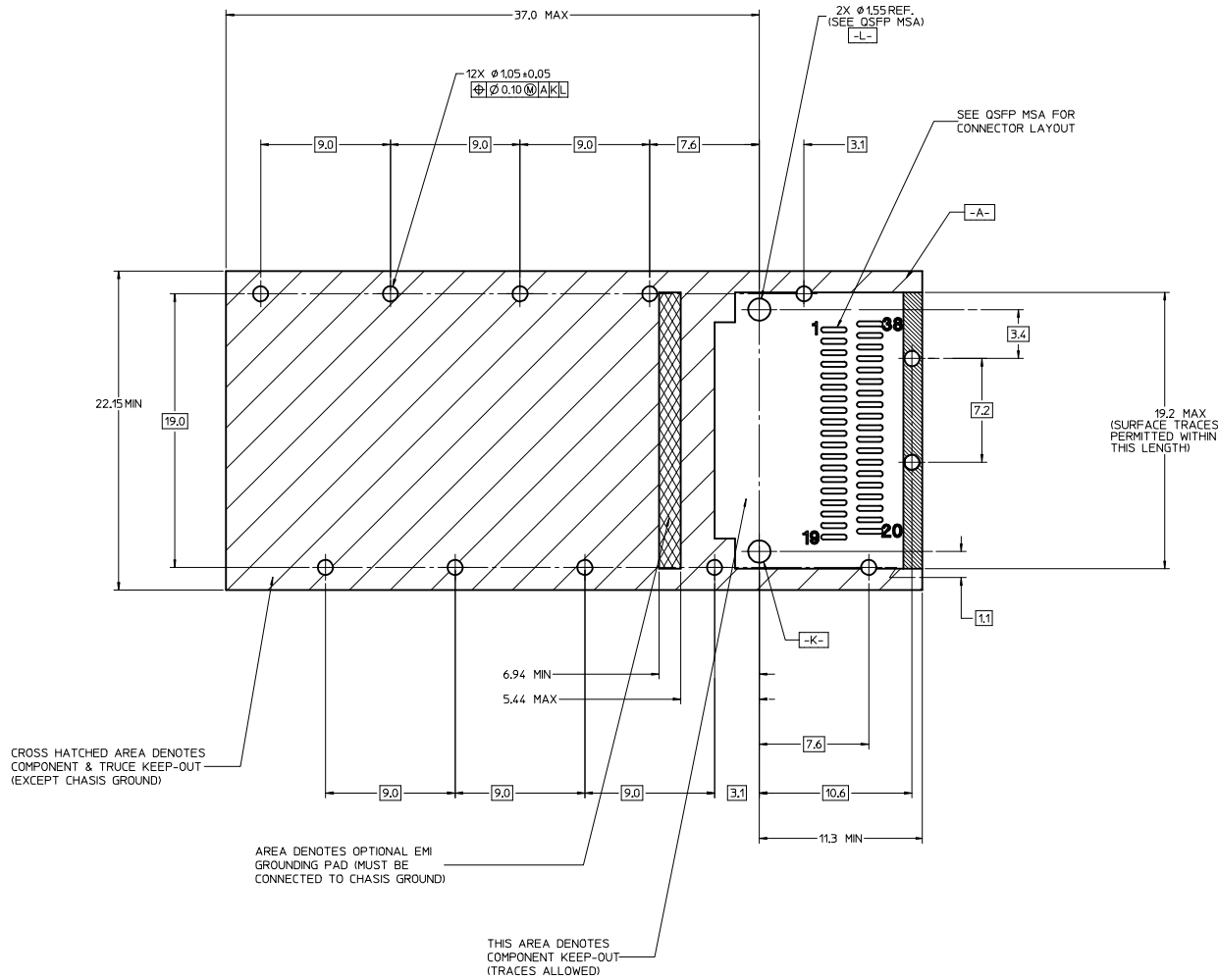
* HEATSINK/LIGHT PIPE CLIP FEATURE REMOVED.

SEE REVISION SHEET EC NO: CPG2015-1999 DRAWN: ERWIN 2014/10/13 CHECKED: GARDIELLA 2014/10/13 APPR: BREED 2014/10/17 REV: 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION																			
	▽=0	<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>± ---</td><td>± ---</td></tr></table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.13	± ---	1 PLACE	± 0.25	± ---	0 PLACE	± ---	± ---	DRAWN BY CHIRSCHY		DATE 2007/07/23	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS		
		mm	INCH																								
	4 PLACES	± ---	± ---																								
	3 PLACES	± ---	± ---																								
2 PLACES	± 0.13	± ---																									
1 PLACE	± 0.25	± ---																									
0 PLACE	± ---	± ---																									
▽=0			CHECKED BY BRUSSELL		DATE 2007/07/23	molex																					
▽=0			APPROVED BY RMAHMOOD		DATE 2010/11/01																						
	ANGULAR ± 1 °		MATERIAL NO. SEE SHEET 3		DOCUMENT NO. SD-74750-0021		SHEET NO. 3 OF 8																				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

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

PCB LAYOUT FOR SINGLE SIDED APPLICATIONS

FOR CAGE ASSEMBLIES WITH LIGHT PIPES

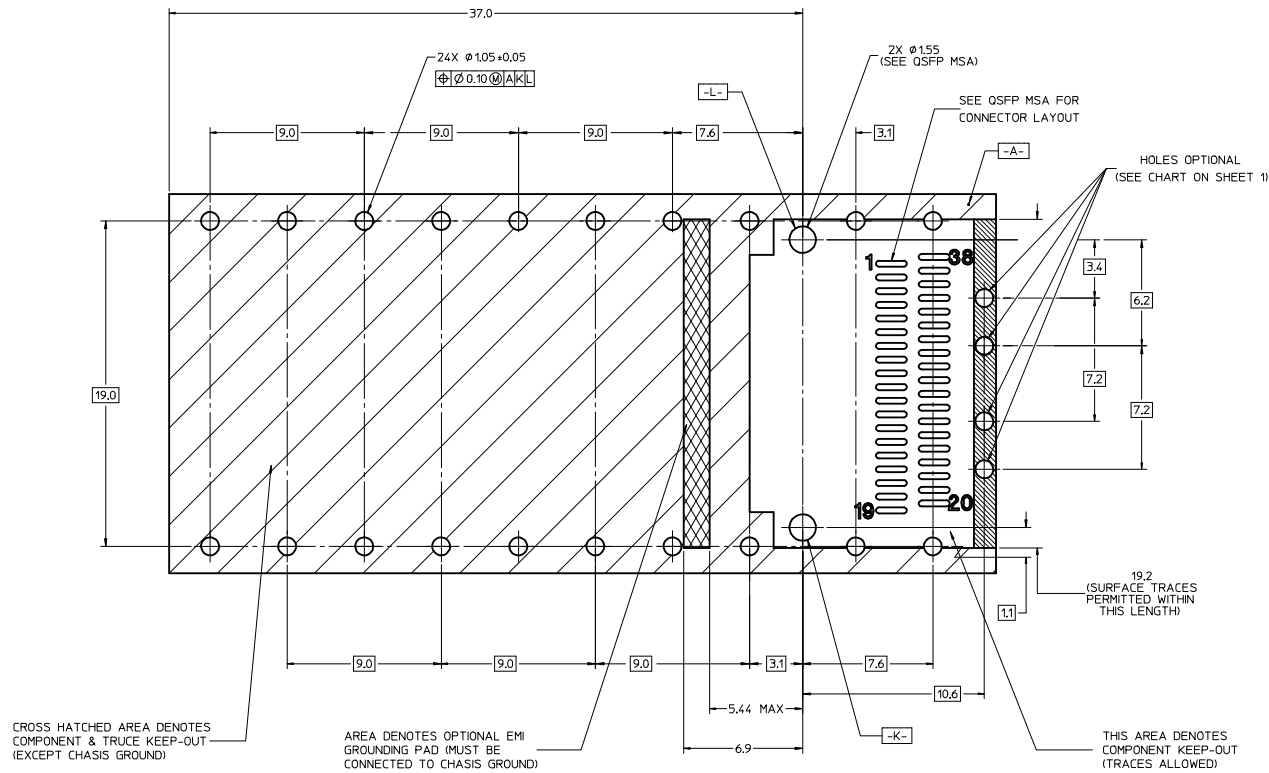


NOTES:

1. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
2. FINISHED HOLE SIZE (AFTER PLATING)
3. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
4. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA

SEE REVISION SHEET IEC NO: CPG2015-1999 DRAWN BY: L 2014/10/13 CHYKOSGARDIELLA 2014/10/13 APPROVED BY: L 2014/10/17	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± --- ± ---	mm INCH	DRAWN BY CHIRSCY 2007/07/23	DATE 2007/07/23	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE SHEET 3	DOCUMENT NO. SD-74750-0021	SHEET NO. 4 OF 8	molex
			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 APPLICATIONS



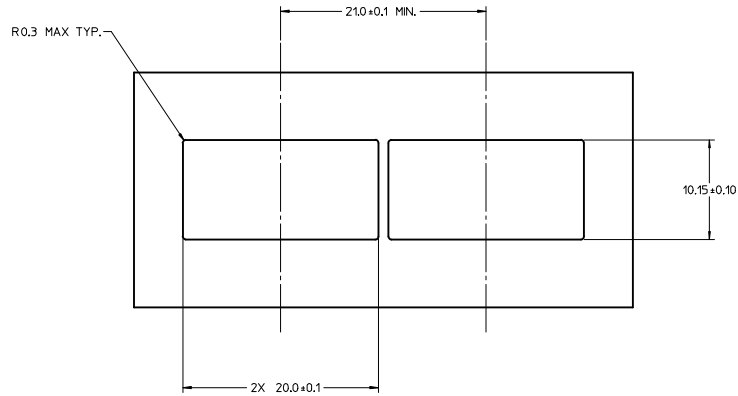
NOTE:
FOR RECOMENDED CENTER
OF LIGHT PIPES,
SEE SHEET 4

NOTES:

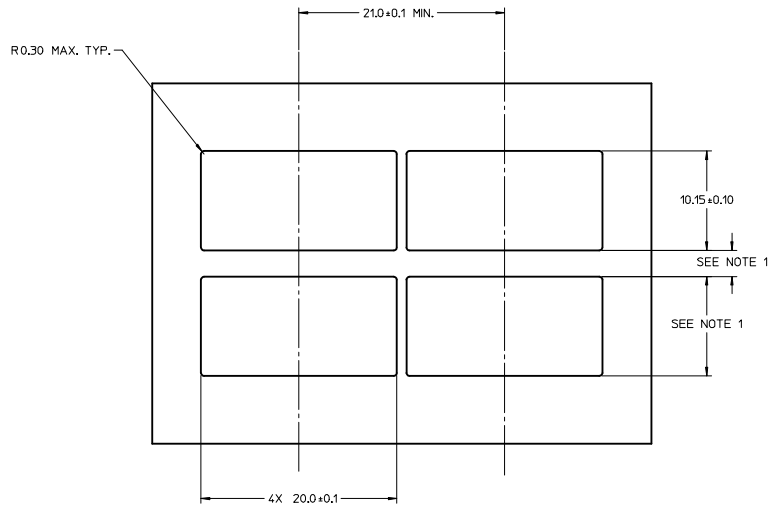
1. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA.
2. FINISHED HOLE SIZE (AFTER PLATING).
3. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA.
4. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA.

SEE REVISION SHEET	EC NO. 052015-1999		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION		
	DRAWN: JERAN 2014/10/13					MM ONLY							
	CHECKED: GABRIELLA 2014/10/13												
	APPROVED: 2014/10/17												
						TITLE		QSF+ CAGE ASSEMBLY WITH SPRING FINGERS					
										molex			
										DOCUMENT NO. SD-74750-0021			
										SHEET NO. 5 OF 8			

BEZEL AND BOARD POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



BEZEL AND BOARD POSITION DIMENSIONS
FOR BELLY-TO-BELLY MOUNTING

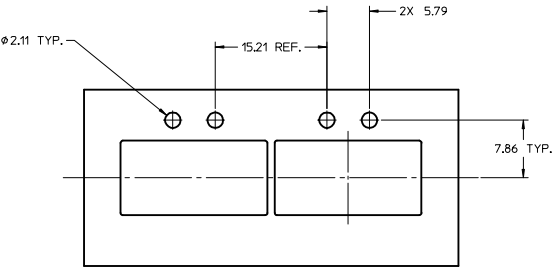
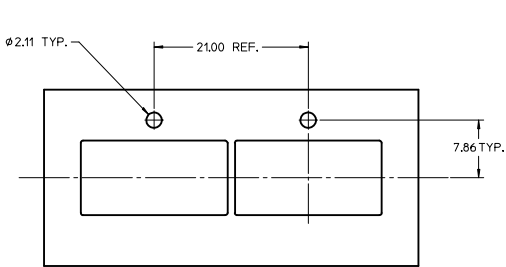


NOTE:

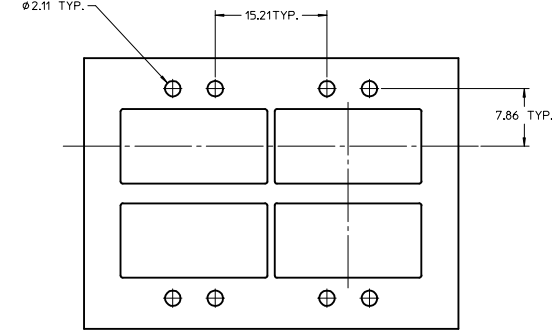
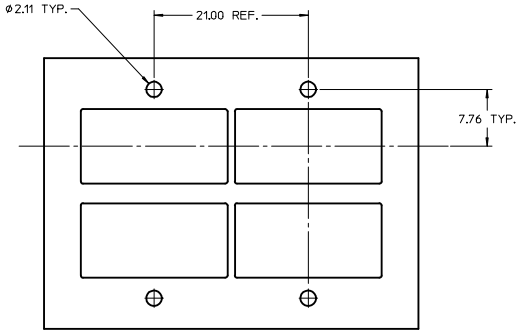
1. SEE QSFP MSA SPECIFICATION FOR BEZEL LOCATION TOLERANCE.
2. PCB THICKNESS VARIATION MUST BE CONSIDERED WHEN DETERMINING BEZEL OPENING, SIZE, AND LOCATION.

SEE REVISION SHEET EC NO: CPG2015-1999 DRAWN: LERMIN 2014/10/13 CHKD: GARDIELLA 2014/10/13 APPROVED: 2014/10/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td>0 PLACE</td><td>± ---</td><td>± ---</td></tr></table> ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.13	± ---	1 PLACE	± 0.25	± ---	0 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS molex	DOCUMENT NO. SD-74750-0021	SHEET NO. 6 OF 8
				mm	INCH																							
			4 PLACES	± ---	± ---																							
			3 PLACES	± ---	± ---																							
			2 PLACES	± 0.13	± ---																							
			1 PLACE	± 0.25	± ---																							
	0 PLACE	± ---	± ---																									
	DRAWN BY CHIRSCHY		DATE 2007/07/23		MATERIAL NO.																							
	CHECKED BY BRUSSELL		DATE 2007/07/23		APPROVED BY RMAHMOOD																							
	DATE 2010/11/01		DATE 2010/11/01																									
SEE SHEET 3																												
SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																										

BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS
FOR SINGLE SIDE MOUNTING



BEZEL LIGHT PIPE CUTOUT POSITION DIMENSIONS
FOR BELLY-TO-BELLY MOUNTING



SEE REVISION SHEET EC NO. CPG2015-1999 DRAWN/ERWIN 2014/10/13 CHKD/GARDELLA 2014/10/13 APPROVED 2014/10/17	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE QSFP+ CAGE ASSEMBLY WITH SPRING FINGERS	
			mm	INCH						
		4 PLACES	±	---	±	---				
		3 PLACES	±	---	±	---				
		2 PLACES	±	0.13			2007/07/23			
REV	DESCRIPTION	1 PLACE	±	0.25						
		0 PLACE	±	---			2010/11/01			
		ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 3		SD-74750-0021		SHEET NO. 7 OF 8		
		SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

