

21.55 REF.  
(EMI FINGERS UNCOMPRESSED)

20.4

11.53 REF.  
(EMI FINGERS UNCOMPRESSED)

9.76 RE

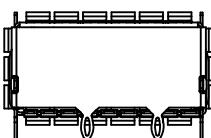
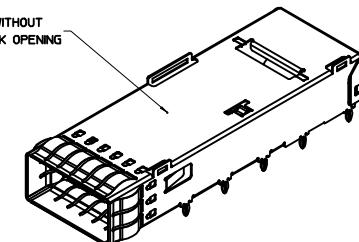
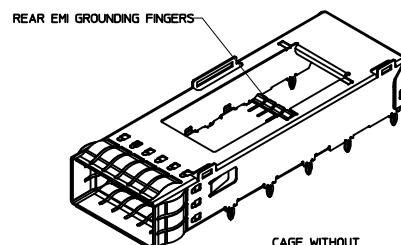
74750-\*\*\*\* WWYY

COMPONENT PART  
NUMBER (SEE TABLE)

DATE CODE

2.28

15.4



REAR PINS ARE OPTIONAL  
(SEE CHART)

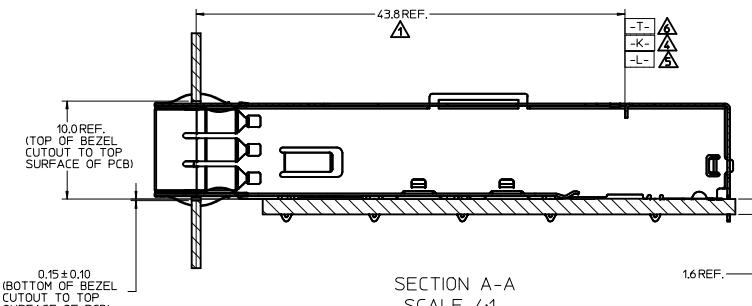
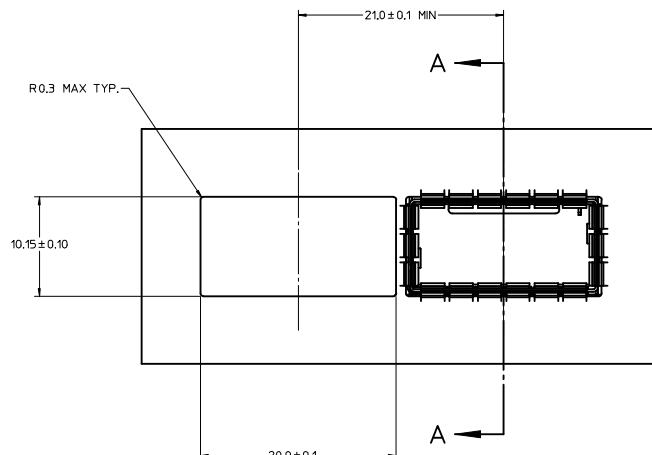
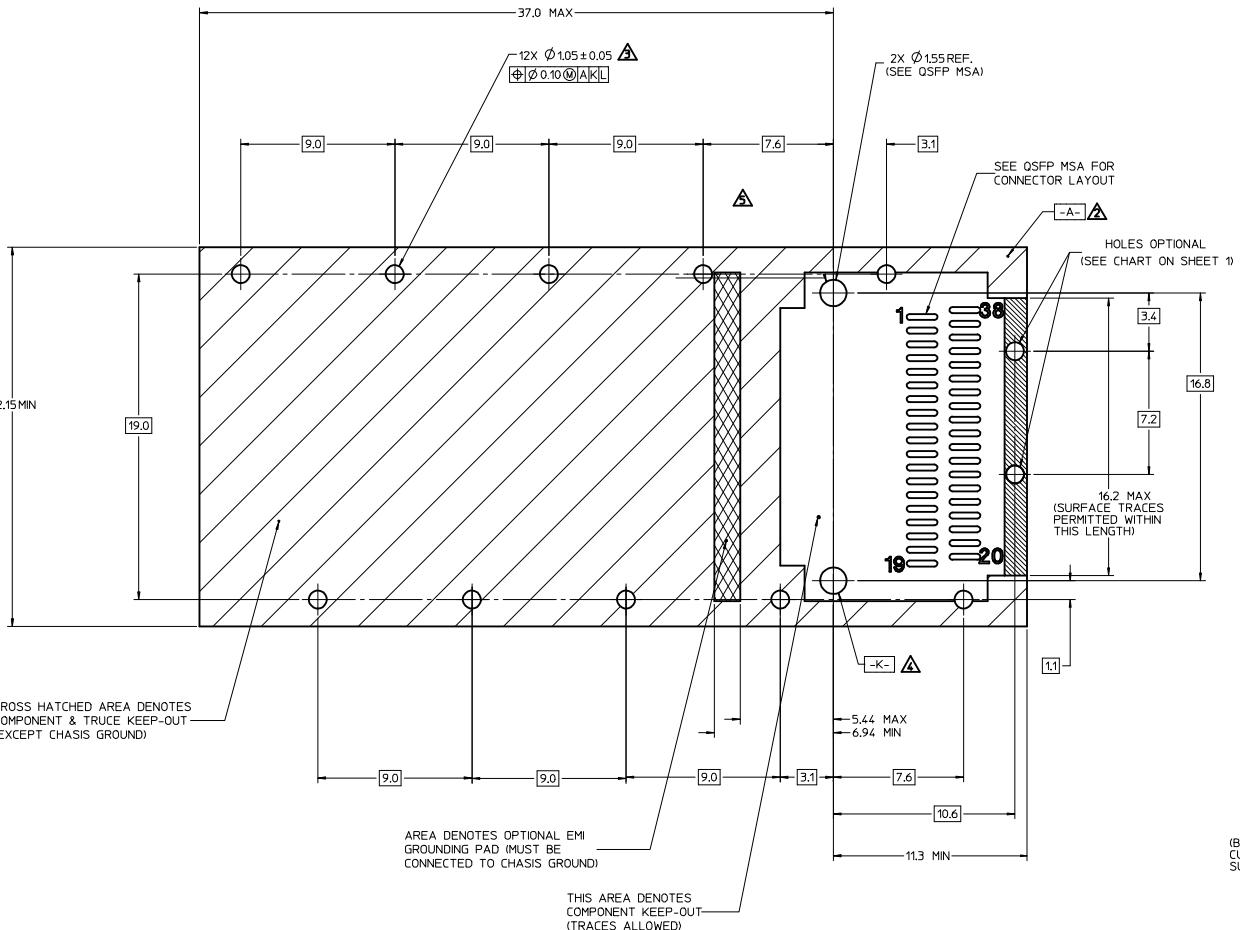
FINISHED ASSEMBLY P/N	COMPONENT P/N (CAGE)	# OF REAR LEGS	COMMENTS
747500021	747500100	2	
747500023	747500103	0	
747500024	747504104	2	NO HEAT SINK OPENING ON CAGE TOP

#### NOTES

1. PRESS FIT LEGS 2.28mm [0.090"] LONG
2. SINGLE SIDED BOARD THICKNESS  
    NOMINAL: 1.60 [0.062"]  
    MINIMUM: 1.44 [0.057"]
3. BELLY TO BELLY BOARD THICKNESS  
    NOMINAL: 2.30 [0.090"]  
    MINIMUM: 2.07 [0.081"]
4. MATERIAL: COPPER ALLOY (PLATED PRIOR TO CUTTING AND FORMING)  
    PLATING: NICKEL
5. REFERENCE DOCUMENTS:  
    PRODUCT SPECIFICATION: QSFP MSA
6. THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN  
    ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC)

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

## PCB LAYOUT FOR SINGLE SIDED APPLICATIONS

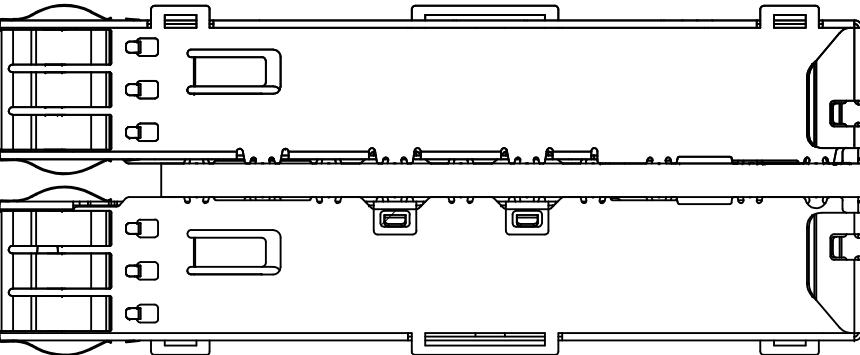


### NOTES:

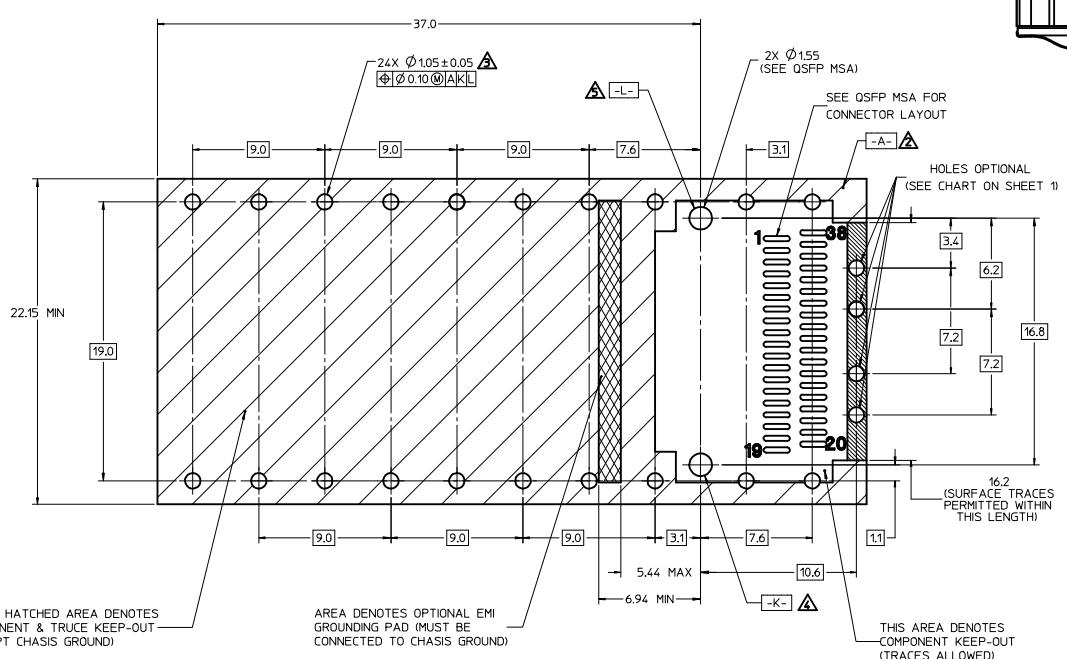
1. SEE QSFP MSA SPECIFICATION FOR BEZEL LOCATION TOLERANCE
2. DATUM -A- IS TOP SURFACE OF HOST BOARD PER MSA
3. FINISHED HOLE SIZE (AFTER PLATING)
4. DATUM -K- IS HOST BOARD THRU HOLE #1 TO ACCEPT CONNECTOR GUIDE POST PER MSA
5. DATUM -L- IS HOST BOARD THRU HOLE #2 TO ACCEPT CONNECTOR GUIDE POST PER MSA
6. DATUM -T- IS HARD STOP ON CAGE PER MSA

ENTER DESCRIPTION	DRAWN BY	DATE	TITLE	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
				mm	INCH			
EC NO: UST2009-0256	CHIRSY	2008/12/19	QSFP CAGE ASSEMBLY					
1. DR/UNCHIRSY		2008/12/19	WITH SPRING FINGERS					
2. CHD:								
3. APR/RAHMOD								
4. REV:								
5. 4 PLACES $\pm$ 0.05								
6. 3 PLACES $\pm$ 0.05								
7. 2 PLACES $\pm$ 0.13								
8. 1 PLACE $\pm$ 0.25								
9. ANGULAR $\pm$ 1°								
10. DRAFT WHERE APPPLICABLE								
11. MUST REMAIN								
12. WITHIN DIMENSIONS								
13. SEE TABLE								
14. MATERIAL NO.								
15. MOLEX INCORPORATED								
16. DOCUMENT NO.								
17. SD-74750-0021								
18. SHEET NO.								
19. 2 OF 4								

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



NOTE:  
BEZEL CUTOUT LOCATIONS FOR BELLY TO BELLY APPLICATIONS  
ARE DEPENDENT ON PCB THICKNESS



NOTES:

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

ENTER DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY CHIRSCHY 2008/12/19	DATE 2007/07/23	TITLE QSFP CAGE ASSEMBLY WITH SPRING FINGERS	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	mm	INCH						
4 PLACES	± ---	± ---						
3 PLACES	± ---	± ---						
2 PLACES	± 0.13	± ---						
1 PLACE	± 0.25	± ---						
	ANGULAR	± 1 °						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			APPROVED BY KMONROE 2007/07/23				MOLEX MOLEX INCORPORATED	
SEE TABLE							DOCUMENT NO. SD-74750-0021	
SIZE D							SHEET NO. 3 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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

DATE	REV	DESCRIPTION
2007/07/23	A	INITIAL RELEASE
2007/08/06	B	CHANGED ALL TANGENT LINES FROM DASHED LINES TO SOLID LINES
2007/08/10	C	1. ADDED COMPONENT P/N COLUMN TO TABLE 2. ADDED "COMPONENT" TO NOTE IN BOTTOM VIEW ON SHEET 1 3. CHANGED TEXT IN MATERIAL NO. SECTION OF TITLE BLOCK TO READ "SEE TABLE"
2008/07/10	D	1. REMOVED COMMENTS FROM TABLE ON SHEET 1 2. ADDED "HOLES OPTIONAL" NOTE TO PCB LAYOUT ON SHEET 2 AND SHEET 3 3. ADDED 747500024 TO TABLE ON SHEET 1 AS WELL AS ISO VIEW 4. UPDATED "COMPONENT PART NUMBER AND DATE CODE" NOTE ON SHEET 1
2008/12/16	E	1. 20.4 DIMENSION WAS 20.38 REF. 2. 58.8 DIMENSION WAS 58.80 REF. 3. 2.28 TYP. DIMENSION WAS 2.28 REF. 4. 15.4 DIMENSION WAS 15.40 REF.

ENTER DESCRIPTION EC NO: US12009-0256 1. DRUNICHIRSCHY 2. CHKD: 3. APFRRAHMOOD 4. HEY	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES $\pm$ --- mm 3 PLACES $\pm$ --- mm 2 PLACES $\pm$ 0.13 mm 1 PLACE $\pm$ 0.25 mm ANGULAR $\pm$ 1 °	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
2008/12/19 2008/12/19 2008/12/19 2008/12/19	2008/12/19 2008/12/19 2008/12/19 2008/12/19	DRAWN BY CHIRSCHY CHECKED BY BRUSSELL APPROVED BY KMONROE	DATE 2007/07/23 2007/07/23 2007/07/23 2007/07/23	TITLE QFP CAGE ASSEMBLY WITH SPRING FINGERS	MOLEX	MOLEX INCORPORATED
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE	SIZE D	DOCUMENT NO. SD-74750-0021	SHEET NO. 4 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						