



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



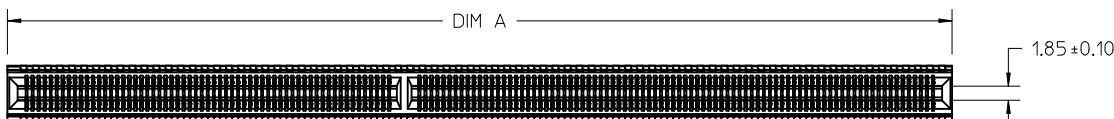
## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

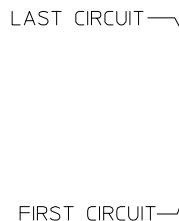
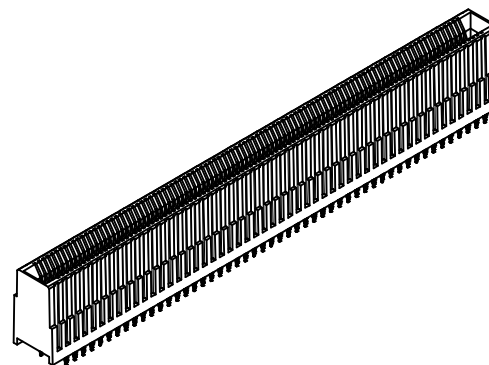
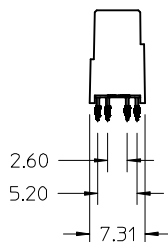
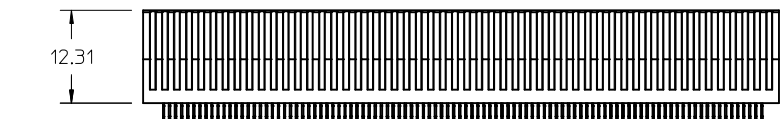




2 BAY EDGE LINE



1 BAY EDGE LINE

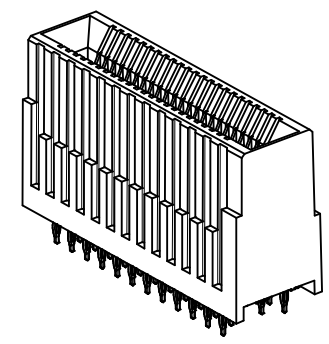
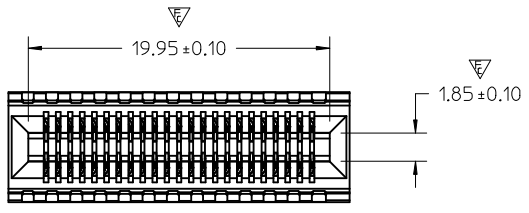


PART NUMBER	VERSION	BAY 1/BAY 2	TOTAL CIRCUITS	DIM A	SALES DRAWING (SEE NOTE 9)
76691-2278	2 BAY	143/132	278	118.63	SD-76691-2278
76691-1200	1 BAY	200	200	84.20	SD-76691-1200
76691-2108	2 BAY	86/22	108	50.63	SD-76691-2108
76691-3108	2 BAY	86/22	108	50.63	SD-76691-3108
76691-2080	2 BAY	52/28	80	39.43	SD-76691-111
76691-9046*	1 BAY	46	46	22.60	SD-76691-109
76691-1046	1 BAY	46	46	22.60	SD-76691-107

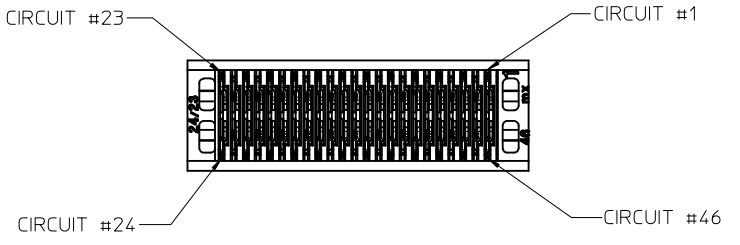
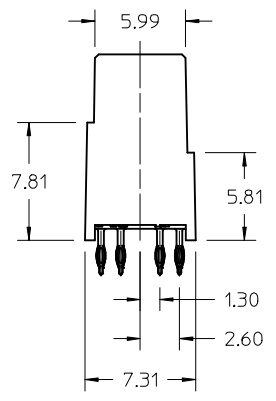
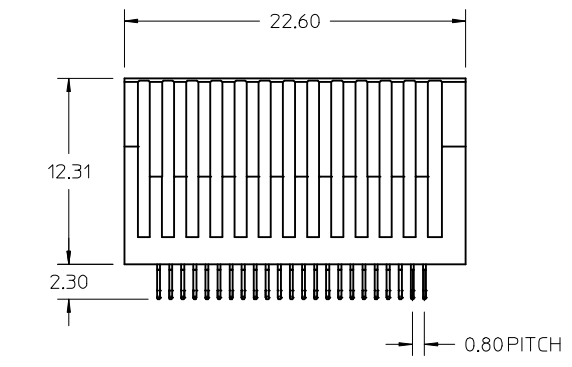
NOTES:

- MATERIAL:  
HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK  
TERMINALS - COPPER ALLOY
- FINISH:  
CONTACT AREA: 0.76 MICROMETER MINIMUM HARD GOLD OVER 3.80 MICROMETER NICKEL  
COMPLIANT AREA: 0.76-1.52 MICROMETER TIN (PREVIOUSLY TIN/LEAD) OVER 1.27 MICROMETER NICKEL  
\* SPECIAL FINISH:  
CONTACT AREA: 0.76 MICROMETER MINIMUM HARD GOLD OVER 3.80 MICROMETER NICKEL  
COMPLIANT AREA: 0.76-1.52 MICROMETER TIN (PREVIOUSLY TIN/LEAD) OVER 1.27 MICROMETER NICKEL
- REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
- REFER TO PK-76693-900 FOR ALL PACKAGING SPECIFICATIONS.
- PROCESSING: PRESSFIT TO PC BOARD.
- MATING PC BOARD THICKNESS = 1.60±0.16MM OVER CONTACT PADS.
- PRODUCT IS ELV AND RoHS COMPLIANT. LEVEL OF COMPLIANCE: 6/6  
ALL BANNED SUBSTANCES ARE REMOVED:  
Pb (LEAD)  
HEXAVALENT CHROMIUM (CrVI)  
CADMIUM  
MERCURY  
POLYBROMINATED BIPHENYL (PBB)  
POLYBROMINATED DIPHENYL ETHER (PBDE)
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002
- FOR EDGE CARD AND MOUNTING PCB LAYOUT DETAIL SEE CORRESPONDING SALES DRAWING.

<b>LEADFREE CONVERTER.</b> EC NO: UCP2013-2374 DRWN:MP0FF 2012/11/12 CHKD:HWOLFE 2012/11/12 APPR:SMILLER 2013/01/04	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	DRAWN BY DROSCA	DATE 07/21/08	<b>EDGE LINE 12.5GB</b> <b>0.062*PCB 0.8MM PITCH</b>  					
		3 PLACES ± --- ± ---	CHECKED BY JCOMERC I	DATE 07/21/08						
		2 PLACES ± 0.13 ± ---	APPROVED BY JCOMERC I	DATE 2010/10/25						
1 PLACE ± 0.25 ± ---	MATERIAL NO. <b>SEE TABLE</b>		DOCUMENT NO. <b>SD-76691-100</b>	SHEET NO. <b>1 OF 1</b>						
0 PLACE ± --- ± ---	ANGULAR ±1/2°		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										



PIN-OUT VIEW

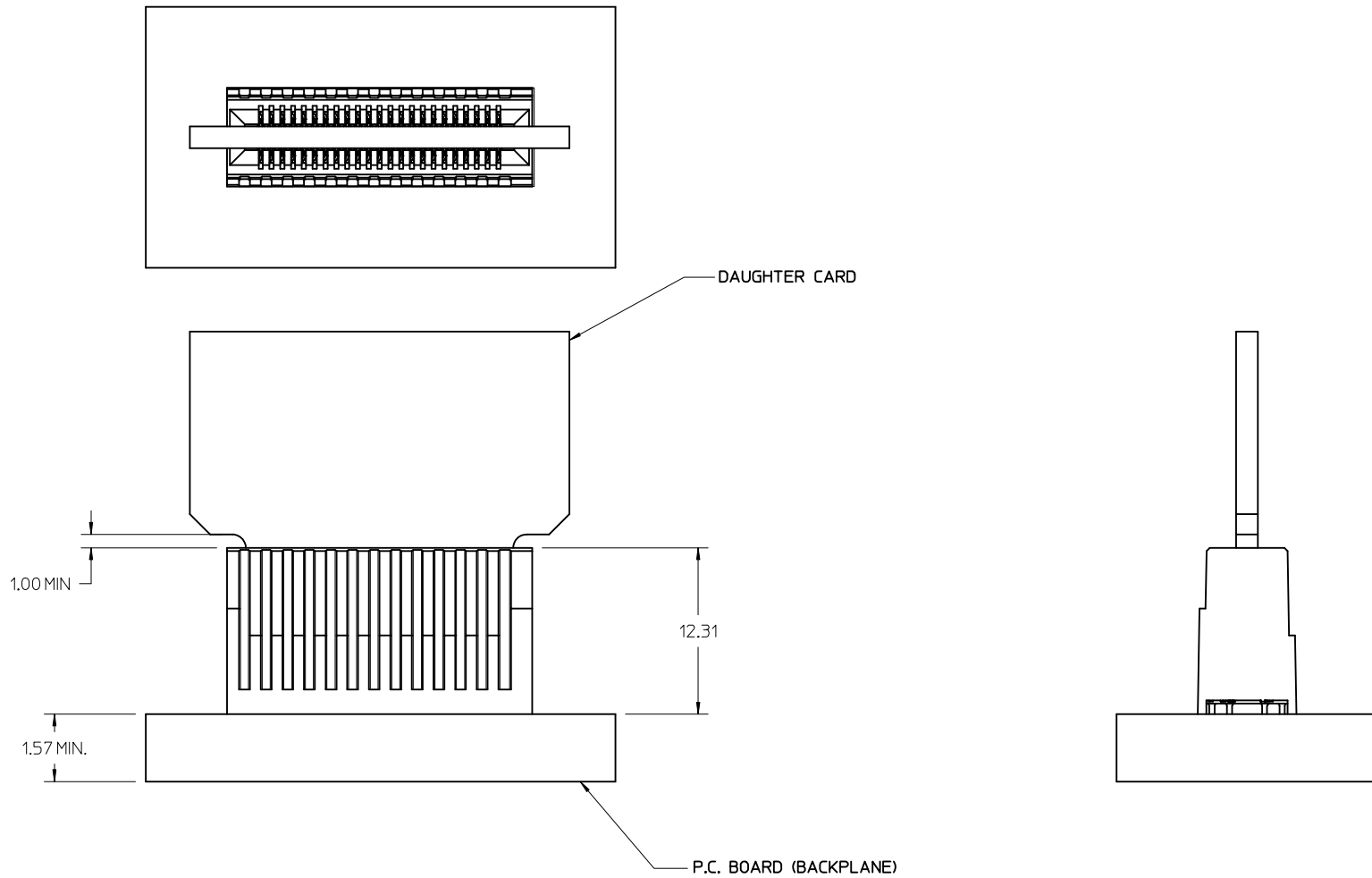


NOTES:

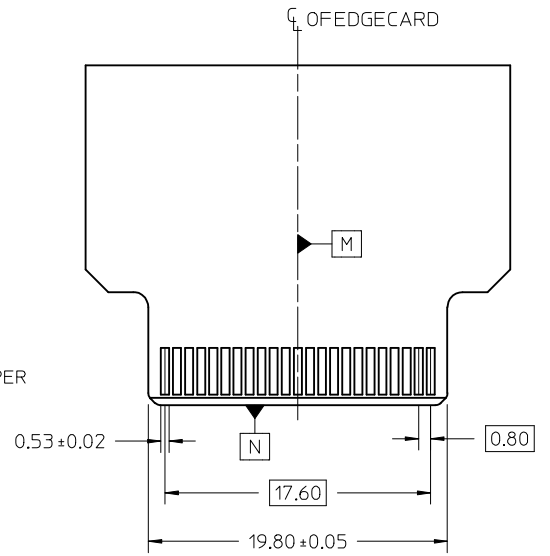
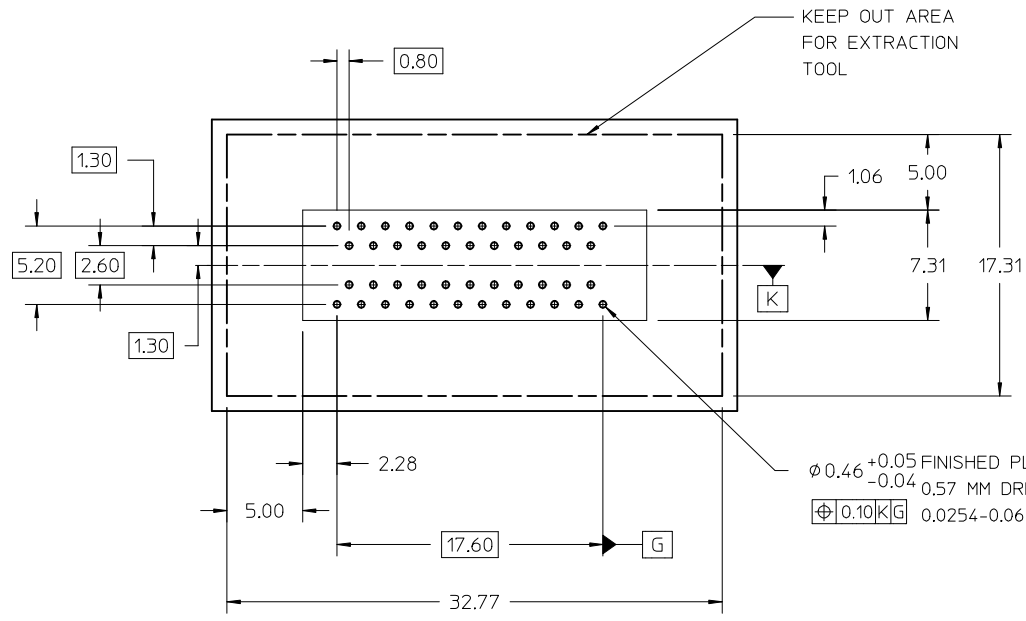
- MATERIAL:  
HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK  
TERMINALS - COPPER ALLOY
- FINISH:  
TERMINALS - 0.76 MICROMETER MINIMUM GOLD OVER 3.80 MICROMETER NICKEL IN THE CONTACT AREA AND 0.76 - 1.52 MICROMETER TIN IN PRESSFIT TAIL AREA OVER 1.27 MICROMETER MINIMUM NICKEL.
- REFER TO PS-76421-001 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
- REFER TO PK-75594-999 FOR ALL PACKAGING SPECIFICATIONS.
- PROCESSING: PRESSFIT TO PC BOARD.
- IN ORDER TO PROVIDE OPTIMAL ELECTRICAL PERFORMANCE, THE MATING BOARD MUST MEET REQUIREMENTS OF AMC0 R2 SPECIFICATION.
- MATING PC BOARD THICKNESS = 1.60±0.16MM OVER CONTACT PADS.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002

LEADFREE CONVERTS. EC NO: UCP2013-2374 DRWIN:POFF 2012/11/12 CHKD:HWOLFE 2012/11/12 APPR:SMILLER 2013/01/04	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.15 ± ---	1 PLACE ± 0.25 ± ---	0 PLACE ± --- ± ---	DRAWN BY DATE DROSCA 07/08/09		TITLE EDGELINE 12.5GB 46CKTS 0.062"PCB 0.8MM PITCH	
		ANGULAR ±1/2°		APPROVED BY DATE JCOMERC I 2009/08/04		MATERIAL NO. 766919046		DOCUMENT NO. SD-76691-109		SHEET NO. 1 OF 5
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

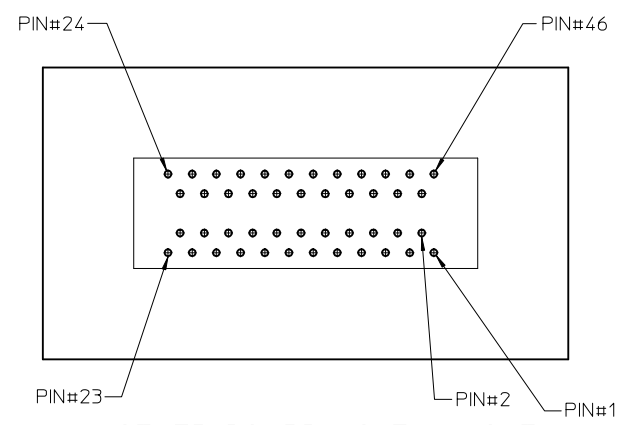
# P.C. BOARD MOUNTING



SEE SHEET 1 EC NO: UCP2013-2374 DRW:MP0FF 2012/11/12 CHKD:MMOLFE 2012/11/12 APPR:SMILLER 2013/01/04	QUALITY SYMBOLS $\nabla = 0$ $\nabla = 0$ $\nabla = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td><math>\pm .005</math></td> <td><math>\pm .0004</math></td> </tr> <tr> <td>3 PLACES</td> <td><math>\pm .005</math></td> <td><math>\pm .0004</math></td> </tr> <tr> <td>2 PLACES</td> <td><math>\pm 0.15</math></td> <td><math>\pm .006</math></td> </tr> <tr> <td>1 PLACE</td> <td><math>\pm 0.25</math></td> <td><math>\pm .010</math></td> </tr> <tr> <td>0 PLACE</td> <td><math>\pm .005</math></td> <td><math>\pm .0004</math></td> </tr> </table>		mm	INCH	4 PLACES	$\pm .005$	$\pm .0004$	3 PLACES	$\pm .005$	$\pm .0004$	2 PLACES	$\pm 0.15$	$\pm .006$	1 PLACE	$\pm 0.25$	$\pm .010$	0 PLACE	$\pm .005$	$\pm .0004$	DIMENSION STYLE <b>MM ONLY</b> DRAWN BY DATE DROSCA 07/08/09 CHECKED BY DATE JCOMERC I 07/08/09 APPROVED BY DATE JCOMERC I 2009/08/04	SCALE <b>4:1</b> DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH																				
	4 PLACES	$\pm .005$	$\pm .0004$																				
	3 PLACES	$\pm .005$	$\pm .0004$																				
2 PLACES	$\pm 0.15$	$\pm .006$																					
1 PLACE	$\pm 0.25$	$\pm .010$																					
0 PLACE	$\pm .005$	$\pm .0004$																					
MATERIAL NO. <b>766919046</b>	TITLE <b>EDGELINE 12.5GB 46CKTS          0.062*PCB 0.8MM PITCH</b>	DOCUMENT NO. <b>SD-76691-109</b>	SHEET NO. <b>2 OF 5</b>																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR $\pm 1/2^\circ$	<b>molex</b>																					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SIZE <b>C</b>																						



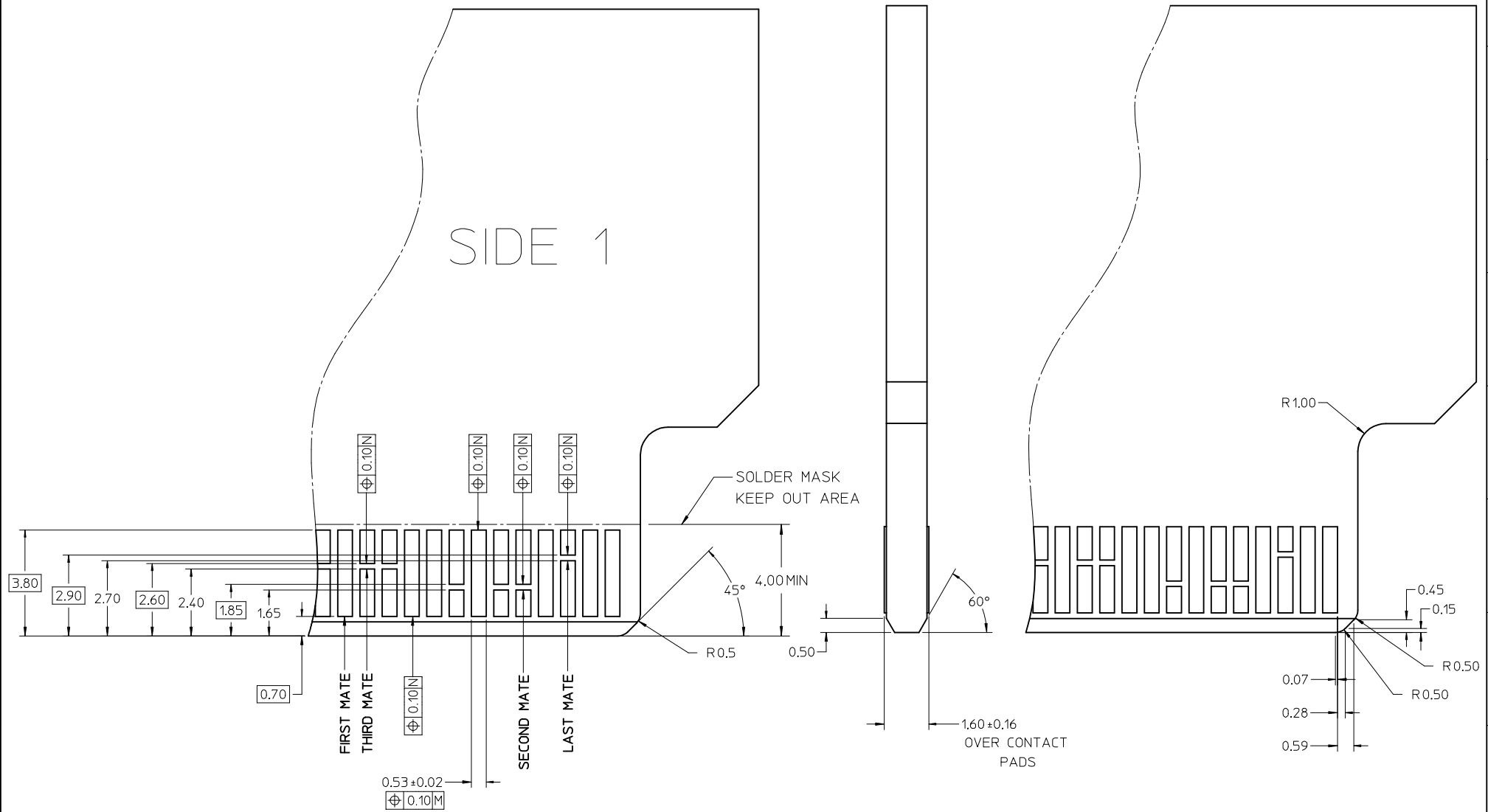
DAUGHTER CARD



MOTHER BOARD HOLE LAYOUT  
(COMPONENT SIDE)

SEE SHEET 1 EC NO: UCP2013-2374 2012/11/12 DRWN: POF CHKD: MWLFE 2012/11/12 APPR: MILLER 2013/01/04	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.15 ± ---	1 PLACE ± 0.25 ± ---	0 PLACE ± --- ± ---	ANGULAR ± 1/2°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
REV B	DESCRIPTION	MATERIAL NO. 766919046		DRAWN BY DROSCA		DATE 07/08/09		TITLE EDGELINE 12.5GB 46CKTS 0.062"PCB 0.8MM PITCH	
		MATERIAL NO. 766919046		CHECKED BY JCOMERC I		DATE 07/08/09		DOCUMENT NO. SD-76691-109	
		MATERIAL NO. 766919046		APPROVED BY JCOMERC I		DATE 2009/08/04		SHEET NO. 3 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

# MODULE EDGE CARD CONTACT DETAIL



Note:

These are generic details that describe the configuration of various PCB design elements. The customer must determine where and when to use each element to accommodate their specific application."

SEE SHEET 1 EC NO: UCP2013-2374 DRWN:POFF 2012/11/12 CHKD:MWOLFE 2012/11/12 APPR:SMILLER 2013/01/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>10:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION	
	▽=0	mm	INCH	DRAWN BY	DATE	TITLE			
	▽=0	4 PLACES ± ---	± ---	DROSCA	07/08/09	EDGELINE 12.5GB 46CKTS			
	▽=0	3 PLACES ± ---	± ---	CHECKED BY	DATE	0.062"PCB 0.8MM PITCH			
REV	DESCRIPTION	ANGULAR ±1/2°		APPROVED BY	DATE	<b>molex</b>		DOCUMENT NO.	
B	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		JCOMERC I	2009/08/04	766919046		SD-76691-109	
		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				SHEET NO. 4 OF 5	

LEGEND 46 CIRCUITS / 0.062"PCB							
COMPONENT SIDE 1				COMPONENT SIDE 2			
PIN NO.	SIGNAL	ALLEGRO PIN NO.				SIGNAL	PIN NO.
46	GND	○			○	SIGNAL 1	1
45	SATA0_TX_P		○		○	SIGNAL 2	2
44	SATA0_TX_N	○			○	SIGNAL 3	3
43	GND		○		○	SIGNAL 4	4
42	SATA0_RX_N	○			○	SIGNAL 5	5
41	SATA0_RX_P		○		○	SIGNAL 6	6
40	GND	○			○	P5V_STBY1	7
39	SATA1_TX_P		○		○	SIGNAL 7	8
38	SATA1_TX_N	○			○	SIGNAL 8	9
37	GND		○		○	SIGNAL 9	10
36	SATA1_RX_N	○			○	SIGNAL 10	11
35	SATA1_RX_P		○		○	SIGNAL 11	12
34	GND	○			○	SIGNAL 12	13
33	SATA2_TX_P		○		○	SIGNAL 13	14
32	SATA2_TX_N	○			○	SIGNAL 14	15
31	GND		○		○	P5V_STBY2	16
30	SATA2_RX_N	○			○	SIGNAL 15	17
29	SATA2_RX_P		○		○	SIGNAL 16	18
28	GND	○			○	GND	19
27	SATA3_TX_P		○		○	SATA3_RX_P	20
26	SATA3_TX_N	○			○	SATA3_RX_N	21
25	GND		○		○	GND	22
24	RESERVE	○			○	RESERVE	23

<b>SEE SHEET 1</b> EC NO: UCP2013-2374 DRWN:MP0FF 2012/11/12 CHKD:MWLFE 2012/11/12 APPR:SMILLER 2013/01/04	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>4:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY DROSCA	DATE 07/08/09	TITLE <b>EDGE LINE 12.5GB 46CKTS</b> <b>0.062"PCB 0.8MM PITCH</b>		
		2 PLACES ± 0.15 ± ---	1 PLACE ± 0.25 ± ---	CHECKED BY JCOMERC I	DATE 07/08/09			
		0 PLACE ± --- ± ---	ANGULAR ± 1/2°	APPROVED BY JCOMERC I	DATE 2009/08/04	MATERIAL NO. <b>766919046</b>		DOCUMENT NO. <b>SD-76691-109</b>
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE <b>C</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					