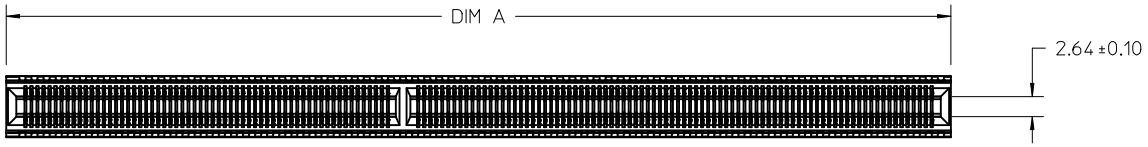
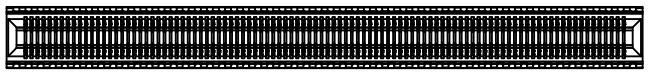
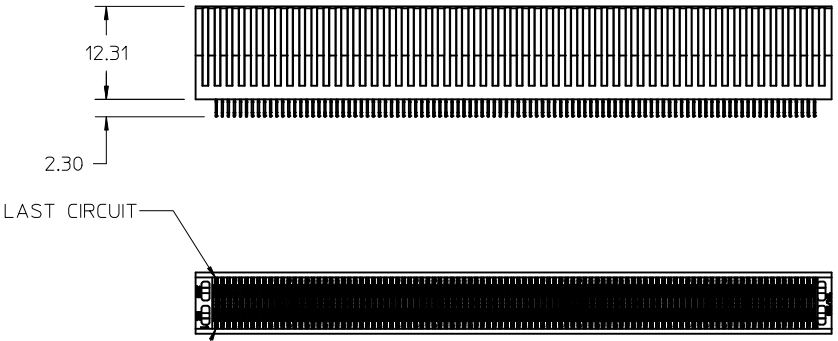
PART NUMBER	VERSION	BAY 1/BAY 2	TOTAL CIRCUITS	DIM A	SALES DRAWING (SEE NOTE 9)
76693-2294	2 BAY	122/172	294	125.03	SD-76693-110
76693-2274*	2 BAY	122/172	294	125.03	SD-76693-107
76693-2278	2 BAY	146/132	278	118.63	SD-76693-2278
76693-1200	1 BAY	200	200	84.20	SD-76693-1200
76693-1170	1 BAY	170	170	72.20	SD-76693-103
76693-3170	1 BAY	170	170	72.20	SD-76693-3170

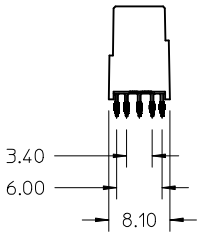


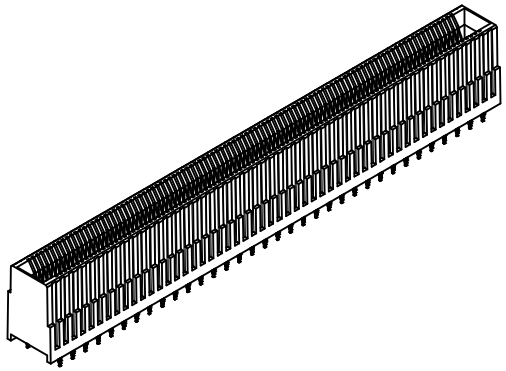
2 BAY EDGELINE



1 BAY EDGELINE







NOTES:

1. MATERIAL:
   HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK
   TERMINALS - COPPER ALLOY
2. FINISH:
   CONTACT AREA: HARD GOLD -0.76µm MIN OVER 3.80µ NICKEL
   COMPLIANT AREA: TIN - 0.76/1.52µm OVER NICKEL
   * SPECIAL FINISH:
   CONTACT AREA: HARD GOLD -1.27µm MIN OVER 3.80µ NICKEL
   COMPLIANT AREA: TIN - 0.76/1.52µm OVER NICKEL
3. REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIROMENTAL SPECIFICATIONS.
4. REFER TO PK-76693-900 FOR ALL PACKAGING SPECIFICATIONS.
5. PROCESSING: PRESSFIT TO PC BOARD.
6. MATING PC BOARD THICKNESS = 2.36±0.16MM OVER CONTACT PADS.
7. PRODUCT IS ELV AND RoHS COMPLIANT. LEVEL OF COMPLIANCE: 6/6
   ALL BANNED SUBSTANCES ARE REMOVED:
   Pb (LEAD)
   HEXAVALENT CHROMIUM (CrVI)
   CADMIUM
   MERCURY
   POLYBRMINATED BIPHENYL (PBB)
   POLYBROMINATED DIPHENYL ETHER (PBDE)
8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002
9. FOR EDGECARD AND MOUNTING PCB LAYOUT DETAIL SEE CORRESPONDING SALES DRAWING.

REDRAWN DRAWING
EC NO: UCP2011-2702 2011/03/07
DRWN:DROSCA 2011/03/28
CHKD:JCOMERCI 2011/03/28
APPR:JCOMERCI 2011/03/28
DESCRIPTION
B
REV

QUALITY SYMBOLS
F = 0
C = 0
P = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

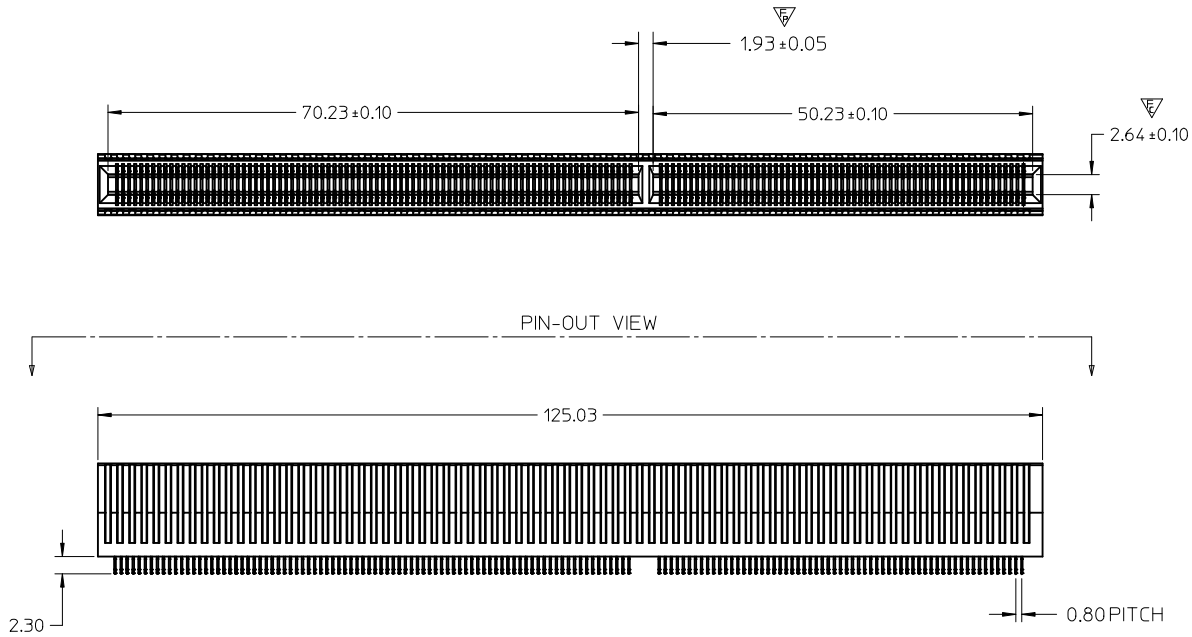
DRAWN BY: DROSCA DATE: 07/21/08
CHECKED BY: JCOMERCI DATE: 07/21/08
APPROVED BY: JCOMERCI DATE: 2010/10/25
MATERIAL NO.: SEE TABLE

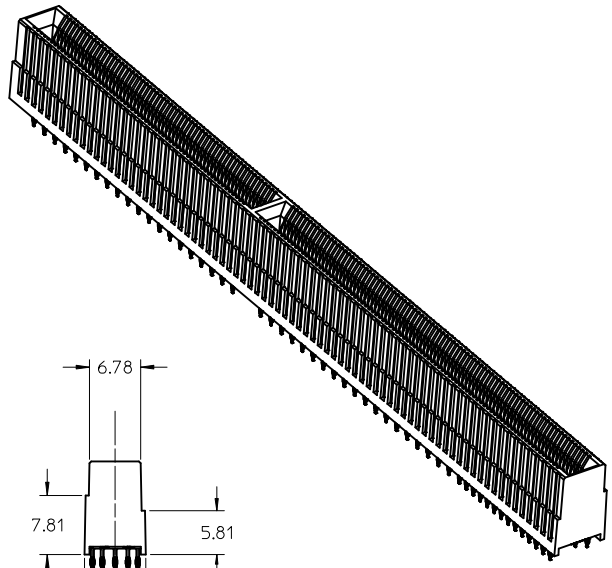
TITLE: EDGELINE 12.5GB 0.093"PCB 0.8MM PITCH

MOLEX INCORPORATED

DOCUMENT NO.: SD-76693-100
SHEET NO.: 1 OF 1

SIZE: C





NOTES:

1. MATERIAL:
   HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK
   TERMINALS - COPPER ALLOY
2. FINISH:
   CONTACT AREA: HARD GOLD -0.76μm MIN OVER 3.80μ NICKEL
   COMPLIANT AREA: TIN - 0.76/1.52μm OVER NICKEL.
3. REFER TO PS-75594-999 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIROMENTAL SPECIFICATIONS.
4. TERMINAL LUBRIFICATION: EB1
5. REFER TO PK-76693-900 FOR ALL PACKAGING SPECIFICATIONS.
6. PROCESSING: PRESSFIT TO PC BOARD.
7. MATING PC BOARD THICKNESS = 2.36±0.16MM OVER CONTACT PADS.
8. PRODUCT IS ELV AND RoHS COMPLIANT. LEVEL OF COMPLIANCE: 6/6
   ALL BANNED SUBSTANCES ARE REMOVED:
   Pb (LEAD)
   HEXAVALENT CHROMIUM (CrVI)
   CADMIUM
   MERCURY
   POLYBRMINATED BIPHENYL (PBB)
   POLYBROMINATED DIPHENYL ETHER (PBDE)
9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002

REV	DESCRIPTION	
A	REV A RELEASE EC NO: UCP2011-2702 DRWN:DROSCA 2011/03/23 CH'KD:JCOMERCI 2011/03/28 APPR:JCOMERCI 2011/03/28	

QUALITY SYMBOLS
= 0
= 1
= 1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	2:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	DROSCA 2010/03/16
CHECKED BY / DATE	JCOMERCI 2011/03/28
APPROVED BY / DATE	JCOMERCI 2010/05/05
MATERIAL NO.	766932294
SIZE	C

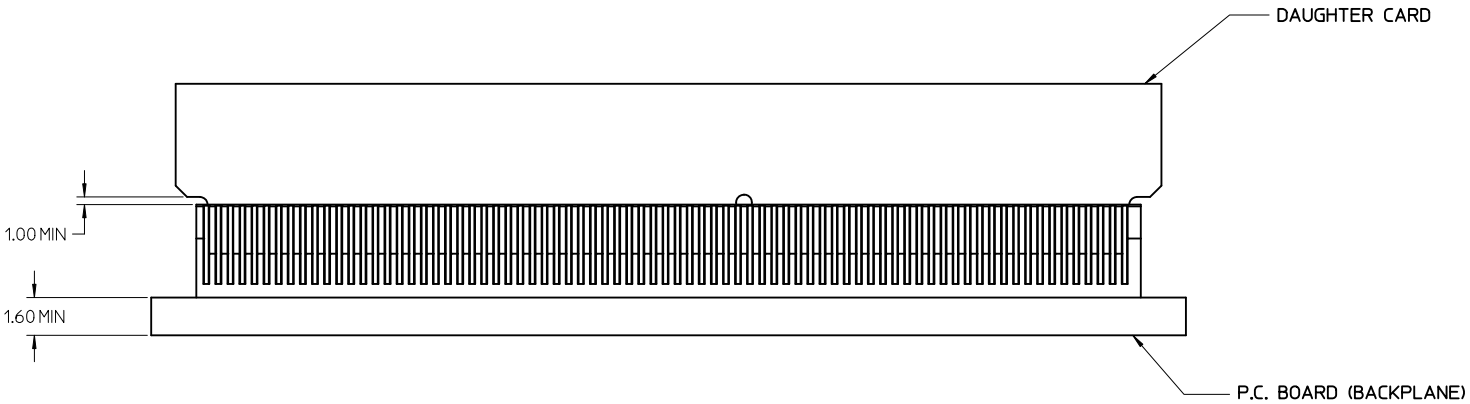
TITLE: EDGELINE 12.5GB 294CKTS 0.093"PCB 0.8MM PITCH

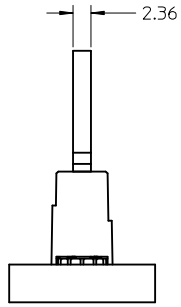
MOLEX INCORPORATED

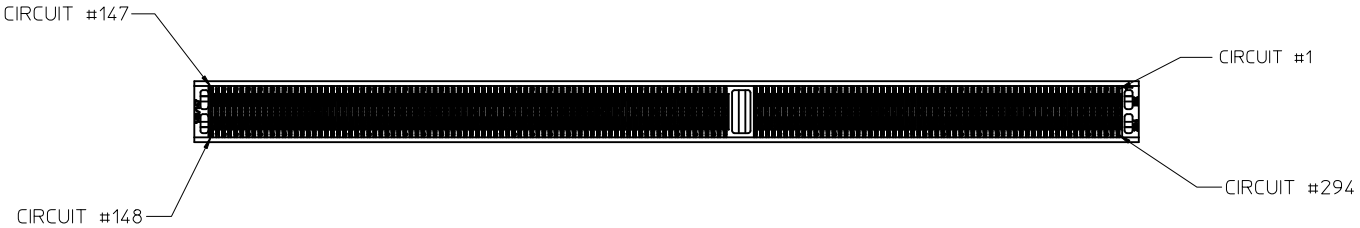
DOCUMENT NO. SD-76693-110

SHEET NO. 1 OF 5

P.C. BOARD MOUNTING

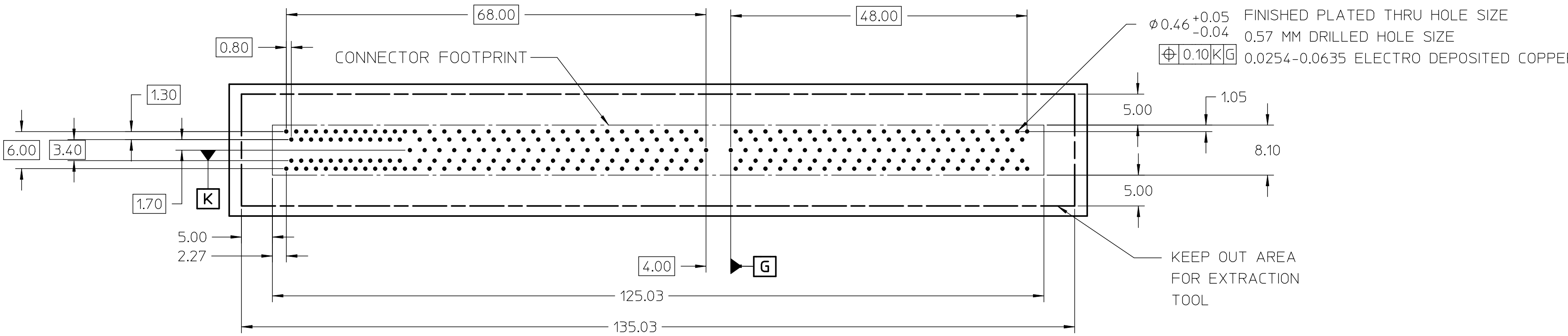


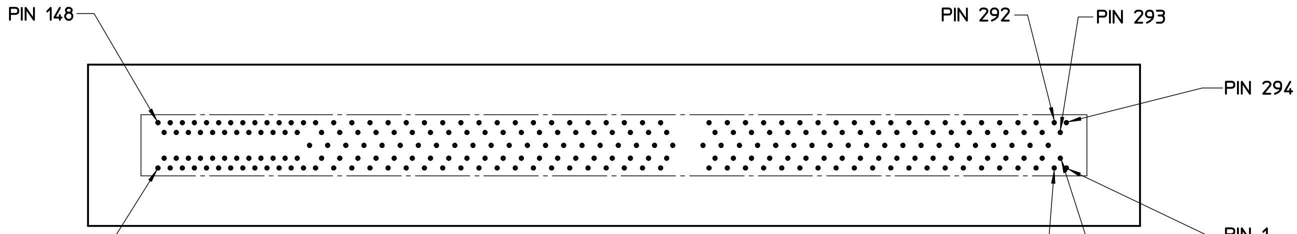




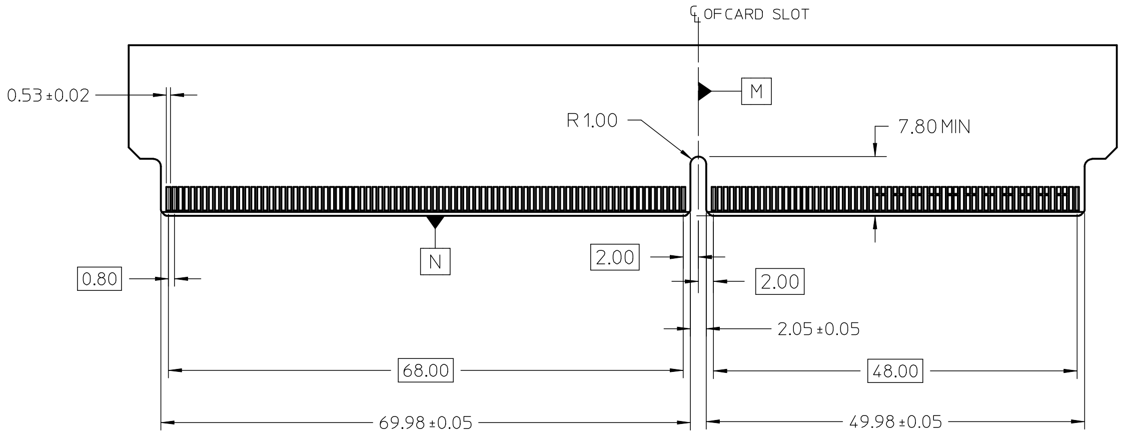
SEE SHEET 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
EC NO: UCP2011-2702 2011/03/23	▼=0	mm / INCH
DRWN:DROSCA 2011/03/28	▽C=0	4 PLACES ± --- / ± ---
CH'KD:JCOMERCI 2011/03/28		3 PLACES ± --- / ± ---
APPR:JCOMERCI		2 PLACES ± 0.15 / ± ---
DESCRIPTION		1 PLACE ± 0.25 / ± ---
A		ANGULAR ±1/2°
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION	
DRAWN BY: DROSCA DATE: 2010/03/16	TITLE: EDGELINE 12.5GB 294CKTS 0.093"PCB 0.8MM PITCH			
CHECKED BY: JCOMERCI DATE: 2011/03/28				
APPROVED BY: JCOMERCI DATE: 2010/05/05	molex MOLEX INCORPORATED			
MATERIAL NO.: SEE SHEET 1	DOCUMENT NO.: SD-76693-110	SHEET NO.: 2 OF 5		
SIZE: C				





MOTHER BOARD HOLE LAYOUT
(COMPONENT SIDE)



DAUGHTER CARD

REV	A
DESCRIPTION	SEE SHEET 1
EC NO:	UCP2011-27702 2011/03/23
DRWN:	DROSCA 2011/03/28
CH'KD:	JCOMERCI 2011/03/28
APPR:	JCOMERCI

QUALITY SYMBOLS: ▼=0, ∇(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

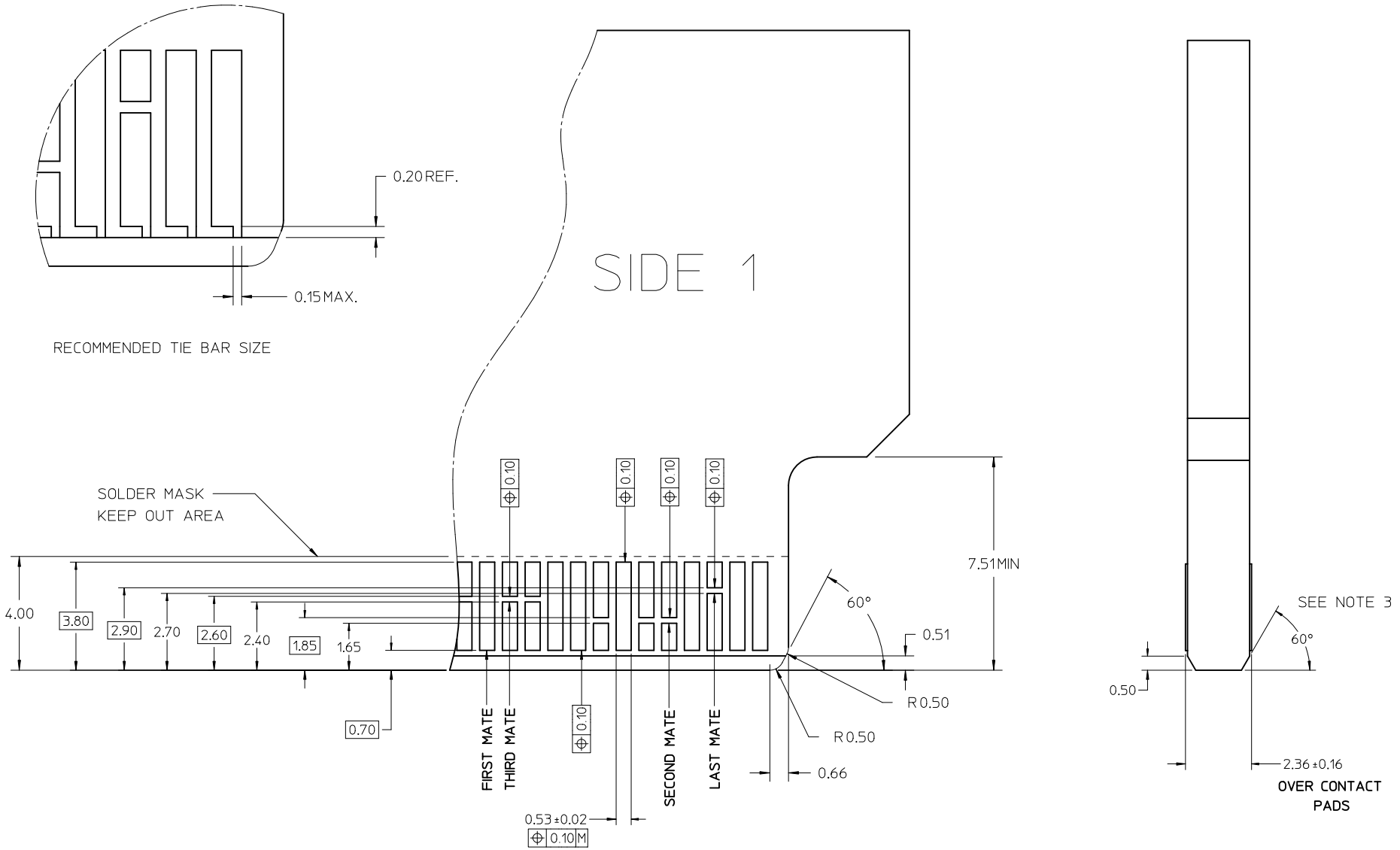
DRAWN BY	DROSCA	DATE 2010/03/16
CHECKED BY	JCOMERCI	DATE 2011/03/28
APPROVED BY	JCOMERCI	DATE 2010/05/05

TITLE: EDGELINE 12.5GB 294CKTS 0.093"PCB 0.8MM PITCH

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 1
DOCUMENT NO.: SD-76693-110
SHEET NO.: 3 OF 5
SIZE: C

MODULE EDGE CARD CONTACT DETAIL



NOTES:

1. 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.
2. EDGE CARD CHAMFER NOT TO GO THRU GOLD PAD OF EDGE CARD

SEE SHEET 1			
EC NO: UCP2011-2702	2011/03/23		
DRWN:DROSCA	2011/03/28		
CHKD:JCOMERCI	2011/03/28		
APPR:JCOMERCI	2011/03/28		
A		DESCRIPTION	REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	10:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	DROSCA
DATE	2010/03/16
CHECKED BY	JCOMERCI
DATE	2011/03/28
APPROVED BY	JCOMERCI
DATE	2010/05/05
MATERIAL NO.	SEE SHEET 1
SIZE	C

TITLE: EDGELINE 12.5GB 294CKTS 0.093"PCB 0.8MM PITCH

MOLEX INCORPORATED

DOCUMENT NO. SD-76693-110

SHEET NO. 4 OF 5

LEGEND 294 CIRCUITS / 0,093"PCB BAY1								
COMPONENT SIDE 1							COMPONENT SIDE 2	
PIN NO.	SIGNAL	ALLEGRO PIN NO.					SIGNAL	PIN NO.
294	Low Freq	○				○	Low Freq	1
293	Low Freq		○		○		Low Freq	2
292	Low Freq	○				○	Low Freq	3
291	VR			○			VR	4
290	Signal +		○		○		Signal +	5
289	Signal -	○				○	Signal -	6
288	GND/ Pwr Return			○			GND/ Pwr Return	7
287	Signal +		○		○		Signal +	8
286	Signal -	○				○	Signal -	9
285	VR			○			VR	10
284	Signal +		○		○		Signal +	11
283	Signal -	○				○	Signal -	12
282	GND/ Pwr Return			○			GND/ Pwr Return	13
281	Signal +		○		○		Signal +	14
280	Signal -	○				○	Signal -	15
279	VR			○			VR	16
278	Signal +		○		○		Signal +	17
277	Signal -	○				○	Signal -	18
276	GND/ Pwr Return			○			GND/ Pwr Return	19
275	Signal +		○		○		Signal +	20
274	Signal -	○				○	Signal -	21
273	VR			○			VR	22
272	Signal +		○		○		Signal +	23
271	Signal -	○				○	Signal -	24
270	GND/ Pwr Return			○			GND/ Pwr Return	25
269	Signal +		○		○		Signal +	26
268	Signal -	○				○	Signal -	27
267	VR			○			VR	28
266	Signal +		○		○		Signal +	29
265	Signal -	○				○	Signal -	30
264	GND/ Pwr Return			○			GND/ Pwr Return	31
263	Signal +		○		○		Signal +	32
262	Signal -	○				○	Signal -	33
261	VR			○			VR	34
260	Signal +		○		○		Signal +	35
259	Signal -	○				○	Signal -	36
258	GND/ Pwr Return			○			GND/ Pwr Return	37
257	Signal +		○		○		Signal +	38
256	Signal -	○				○	Signal -	39
255	VR			○			VR	40
254	Signal +		○		○		Signal +	41
253	Signal -	○				○	Signal -	42
252	GND/ Pwr Return			○			GND/ Pwr Return	43
251	Signal +		○		○		Signal +	44
250	Signal -	○				○	Signal -	45
249	VR			○			VR	46
248	Signal +		○		○		Signal +	47
247	Signal -	○				○	Signal -	48
246	GND/ Pwr Return			○			GND/ Pwr Return	49
245	Signal +		○		○		Signal +	50
244	Signal -	○				○	Signal -	51
243	VR			○			VR	52
242	Signal +		○		○		Signal +	53
241	Signal -	○				○	Signal -	54
240	GND/ Pwr Return			○			GND/ Pwr Return	55
239	Signal +		○		○		Signal +	56
238	Signal -	○				○	Signal -	57
237	VR			○			VR	58
236	Signal +		○		○		Signal +	59
235	Signal -	○				○	Signal -	60
234	GND/ Pwr Return			○			GND/ Pwr Return	61

POLARIZATION KEY

LEGEND 294 CIRCUITS / 0,093"PCB BAY2								
COMPONENT SIDE 1							COMPONENT SIDE 2	
PIN NO.	SIGNAL	ALLEGRO PIN NO.					SIGNAL	PIN NO.
233	GND/ Pwr Return			○			GND/ Pwr Return	62
232	Signal +		○		○		Signal +	63
231	Signal -	○				○	Signal -	64
230	GND/ Pwr Return			○			GND/ Pwr Return	65
229	Signal +		○		○		Signal +	66
228	Signal -	○				○	Signal -	67
227	VR			○			VR	68
226	Signal +		○		○		Signal +	69
225	Signal -	○				○	Signal -	70
224	GND/ Pwr Return			○			GND/ Pwr Return	71
223	Signal +		○		○		Signal +	72
222	Signal -	○				○	Signal -	73
221	VR			○			VR	74
220	Signal +		○		○		Signal +	75
219	Signal -	○				○	Signal -	76
218	GND/ Pwr Return			○			GND/ Pwr Return	77
217	Signal +		○		○		Signal +	78
216	Signal -	○				○	Signal -	79
215	VR			○			VR	80
214	Signal +		○		○		Signal +	81
213	Signal -	○				○	Signal -	82
212	GND/ Pwr Return			○			GND/ Pwr Return	83
211	Signal +		○		○		Signal +	84
210	Signal -	○				○	Signal -	85
209	VR			○			VR	86
208	Signal +		○		○		Signal +	87
207	Signal -	○				○	Signal -	88
206	GND/ Pwr Return			○			GND/ Pwr Return	89
205	Signal +		○		○		Signal +	90
204	Signal -	○				○	Signal -	91
203	VR			○			VR	92
202	Signal +		○		○		Signal +	93
201	Signal -	○				○	Signal -	94
200	GND/ Pwr Return			○			GND/ Pwr Return	95
199	Signal +		○		○		Signal +	96
198	Signal -	○				○	Signal -	97
197	VR			○			VR	98
196	Signal +		○		○		Signal +	99
195	Signal -	○				○	Signal -	100
194	GND/ Pwr Return			○			GND/ Pwr Return	101
193	Signal +		○		○		Signal +	102
192	Signal -	○				○	Signal -	103
191	VR			○			VR	104
190	Signal +		○		○		Signal +	105
189	Signal -	○				○	Signal -	106
188	GND/ Pwr Return			○			GND/ Pwr Return	107
187	Signal +		○		○		Signal +	108
186	Signal -	○				○	Signal -	109
185	VR			○			VR	110
184	Signal +		○		○		Signal +	111
183	Signal -	○				○	Signal -	112
182	GND/ Pwr Return			○			GND/ Pwr Return	113
181	Signal +		○		○		Signal +	114
180	Signal -	○				○	Signal -	115

LEGEND 294 CIRCUITS / 0,093"PCB BAY2								
COMPONENT SIDE 1							COMPONENT SIDE 2	
PIN NO.	SIGNAL	ALLEGRO PIN NO.					SIGNAL	PIN NO.
179	VR			○			VR	116
178	Signal +		○		○		Signal +	117
177	Signal -	○				○	Signal -	118
176	GND / Pwr Return			○			GND / Pwr Return	119
175	Signal +		○		○		Signal +	120
174	Signal -	○				○	Signal -	121
173	GND / Pwr Return			○			GND / Pwr Return	122
172	Low Freq	○				○	Low Freq	123
171	Low Freq		○		○		Low Freq	124
170	Low Freq	○				○	Low Freq	125
169	Low Freq		○		○		Low Freq	126
168	Low Freq	○				○	Low Freq	127
167	Low Freq		○		○		Low Freq	128
166	Low Freq	○				○	Low Freq	129
165	Low Freq		○		○		Low Freq	130
164	Low Freq	○				○	Low Freq	131
163	Low Freq		○		○		Low Freq	132
162	Low Freq	○				○	Low Freq	133
161	Low Freq		○		○		Low Freq	134
160	Low Freq	○				○	Low Freq	135
159	Low Freq		○		○		Low Freq	136
158	Low Freq	○				○	Low Freq	137
157	Low Freq		○		○		Low Freq	138
156	Low Freq	○				○	Low Freq	139
155	Low Freq		○		○		Low Freq	140
154	Low Freq	○				○	Low Freq	141
153	Low Freq		○		○		Low Freq	142
152	Low Freq	○				○	Low Freq	143
151	Low Freq		○		○		Low Freq	144
150	Low Freq	○				○	Low Freq	145
149	Low Freq		○		○		Low Freq	146
148	Low Freq	○				○	Low Freq	147

SEE SHEET 1
EC NO: UCP2011-2702 2011/03/23
DRWN:DROSCA 2011/03/28
CH'KD:JCOMERCI 2011/03/28
APPR:JCOMERCI 2011/03/28
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	DROSCA	DATE 2010/03/16
CHECKED BY	JCOMERCI	DATE 2011/03/28
APPROVED BY	JCOMERCI	DATE 2010/05/05
MATERIAL NO.	SEE SHEET 1	

TITLE: EDGELINE 12.5GB 294CKTS 0.093"PCB 0.8MM PITCH

MOLEX INCORPORATED

DOCUMENT NO. SD-76693-110
SHEET NO. 5 OF 5
SIZE C