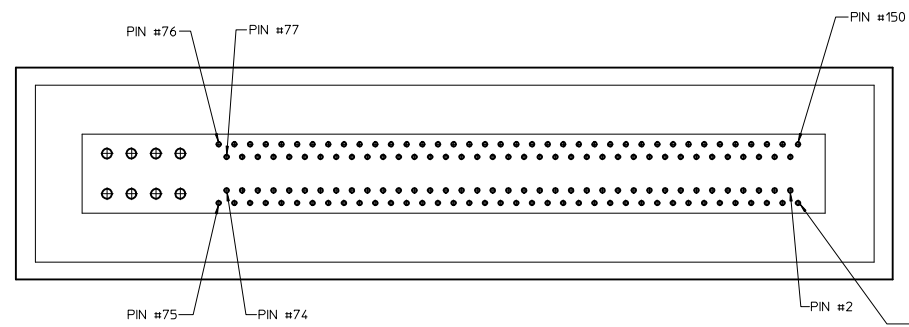
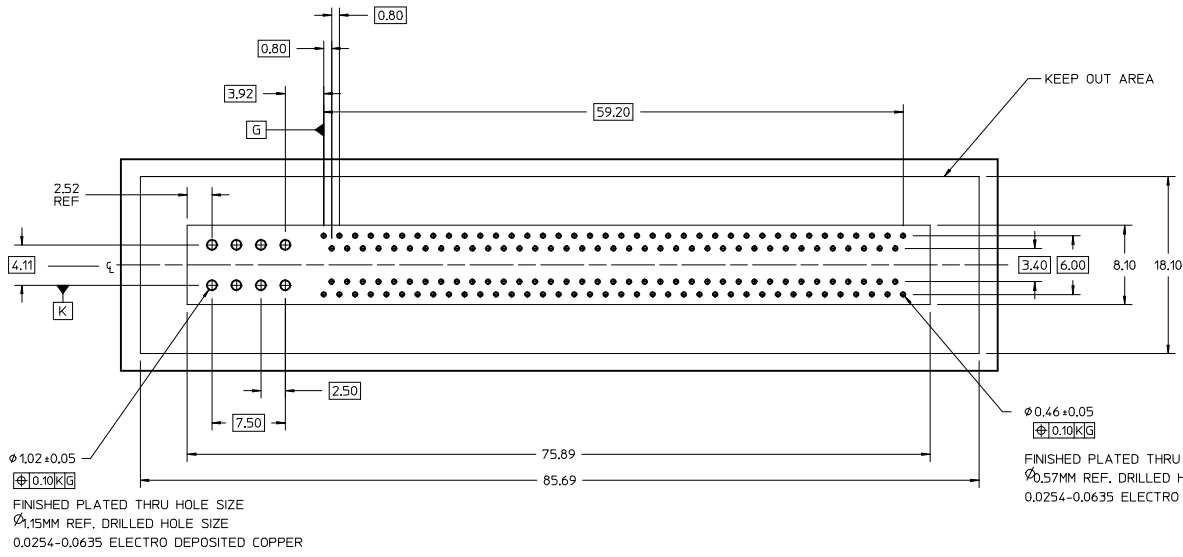


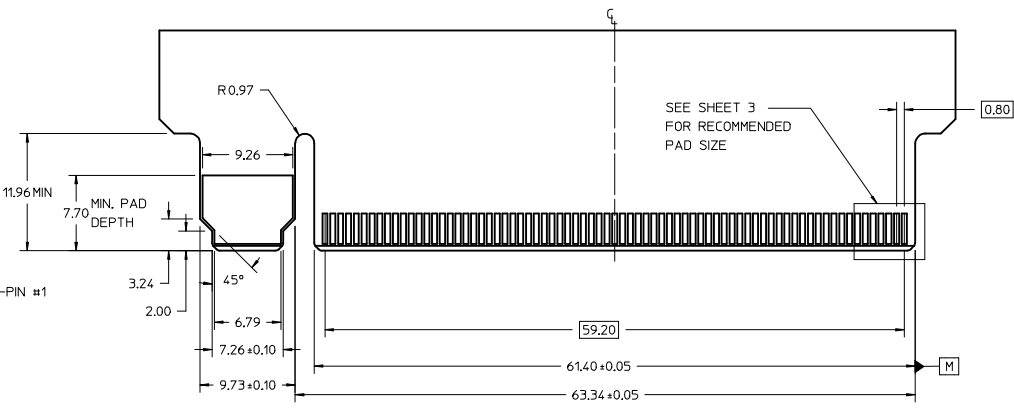
NOTES:

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-76861-100 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
4. REFER TO PK-170545-5000 FOR ALL PACKAGING SPECIFICATIONS.
5. PROCESSING: PRESSFIT TO PC BOARD.
6. MATING PC BOARD THICKNESS = 2.36±10% OVER CONTACT PADS.
7. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002

CORRECT 10% TOLERANCE IEC NO: UCP2017-1945 DRAWN BY: DRWNRDROFF CHECKED BY: CHYKDMORGAN APPROVED BY: APPR:KLANG	2017/03/09	2017/03/09	2017/03/15	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
				▽=0	mm	MM ONLY	4:1	METRIC	
				▽=2	4 PLACES ± ---				
				▽=0	3 PLACES ± ---				
					2 PLACES ± 0.13	DRAWN BY: DROSCA	DATE: 2010/05/17	TITLE: ESP 150 CKTS, 0.093"PCB	
					1 PLACE ± 0.25	CHECKED BY: JCOMERC I	DATE: 2010/05/18	0.8MM PITCH	
					0 PLACE ±	APPROVED BY: JCOMERC I	DATE: 2010/12/03	1 POWER BAY	
					ANGULAR ± 2 °	MATERIAL NO:	DOCUMENT NO:	moLEX	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	1705451150	SD-170545-1150	SHEET NO. 1 OF 4	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



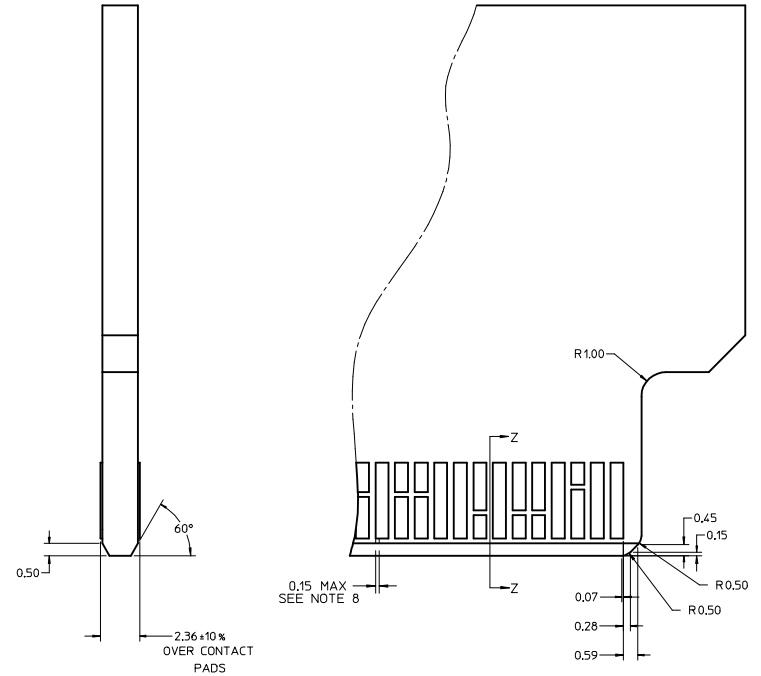
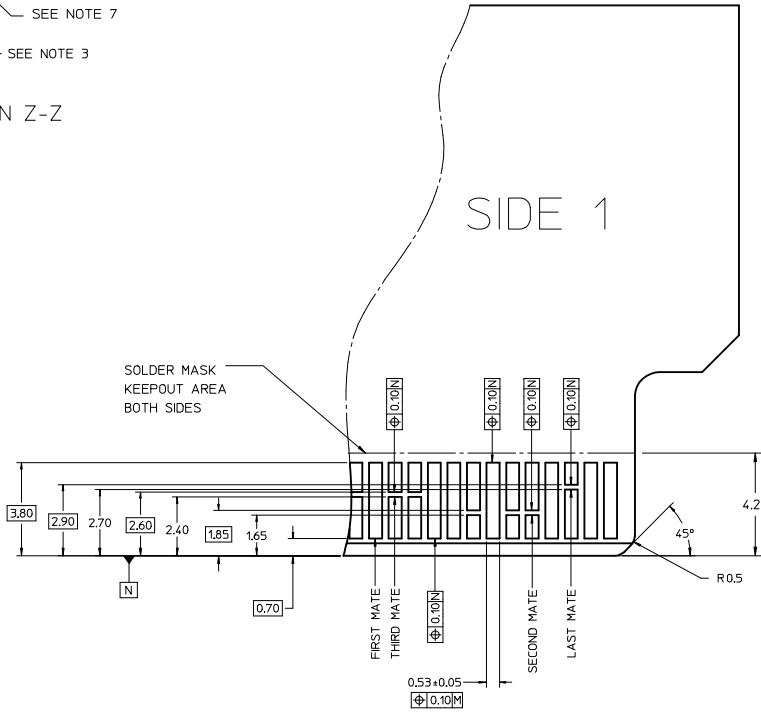
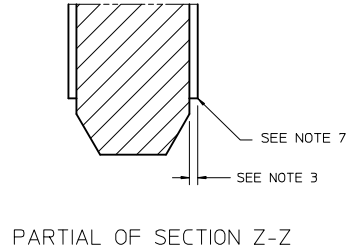
MOTHER BOARD HOLE LAYOUT  
(COMPONENT SIDE)



DAUGHTER CARD

SEE SHEET 1 IEC NO: UCP2017-1945 DRAWN BY: CHYKDMORFAN CHECKED BY: APPR:KLANG DATE: 2017/03/09 DATE: 2017/03/15 DESCRIPTION:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	▽=0	mm INCH	MM ONLY	4:1	METRIC	☉	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY: DROSCA	DATE: 2010/05/17	TITLE: ESP 150 CKTS, 0.093"PCB 0.8MM PITCH 1 POWER BAY		
	▽=0	3 PLACES ± 0.13 ± ---	CHECKED BY: JCOMERCI	DATE: 2010/05/18	molex MATERIAL NO. SEE SHEET 1 DOCUMENT NO. SD-170545-1150 SHEET NO. 2 OF 4		
▽=0	2 PLACES ± 0.25 ± ---	APPROVED BY: JCOMERCI	DATE: 2010/12/03				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

# MODULE EDGE CARD CONTACT DETAIL



RECOMMENDED PLATING:  
GOLD 30μ INCHES  
OVER 150μ INCHES  
NICKEL

MATING PCB NOTES:

- CONNECTOR LAND CONDITIONS SHALL MEET THE MOST CURRENT REVISION OF PCB SPECIFICATION IPC-6012C-2010 SECTION 3.5.4.4.
- DIMENSIONS APPLY TO LANDS ON BOTH SIDES OF THE BOARD.
- THE THICKNESS OF THE OUTER METAL LAYERS, INCLUDING FOIL, COPPER PLATING, AND THE PROTECTIVE SURFACE FINISH, SHALL BE 0.066mm MAX.
- CHAMFER ROUGHNESS NOT TO EXCEED 3.17 MICROMETERS.
- CHAMFER PROCESS SHALL NOT DAMAGE THE GOLD EDGE LANDS.
- EDGE CARD CHAMFER NOT TO GO THRU GOLD LANDS.
- 0.03mm MAX PLATING OVERHANG ON ALL GOLD LAND EDGES.
- MOLEX RECOMMENDS NO TIE-BARS ON THE LEADING EDGE OF THE GOLD LAND. IF TIE-BARS ARE USED, THEY SHALL BE PLACED TO ONE SIDE OF THE GOLD LAND. APPLIES TO ALL GOLD LANDS.

SEE SHEET 1 IEC NO: UCP2017-1945 DRAWN BY: DRYNAPROFF 2017/03/09 CHECKED BY: CHYKOBORGAN 2017/03/09 APPROVED BY: APPR:KLANG 2017/03/15	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	10:1	METRIC	
	▽=0	3 PLACES ± mm ± INCH				
	▽=0	2 PLACES ± 0.13 ± INCH				
		1 PLACE ± 0.25 ± INCH				
		0 PLACE ± INCH				
		ANGULAR ± 2 °				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				
			MATERIAL NO.	DOCUMENT NO.		
			SEE SHEET 1	SD-170545-1150		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

TITLE: ESP 150 CKTS, 0.093"PCB 0.8MM PITCH 1 POWER BAY

**molex**

SHEET NO. 3 OF 4

170545-1150 LEGEND ESP 150 CIRCUITS / 0.093"PCB					
COMPONENT SIDE 1			COMPONENT SIDE 2		
PIN NO.	SIGNAL	ALLEGRO PIN NO.	SIGNAL	PIN NO.	
150					1
149					2
148					3
147					4
146					5
145					6
144					7
143					8
142					9
141					10
140					11
139					12
138					13
137					14
136					15
135					16
134					17
133					18
132					19
131					20
130					21
129					22
128					23
127					24
126					25
125					26
124					27
123					28
122					29
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119					32
118					33
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107					44
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104					47
103					48
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90					61
89					62
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87					64
86					65
85					66
84					67
83					68
82					69
81					70
80					71
79					72
78					73
77					74
76					75

POWER  
 POWER. 2 CIRCUIT  
 RETURN

SEE SHEET 1 IEC NO: UICP2017-1945 DRAWN BY: 2017/03/09 CHKD:DMORGAN 2017/03/09 APPR:KLANG 2017/03/15	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	DRAWN BY DATE DROSCA 2010/05/17 CHECKED BY DATE JCOMERC I 2010/05/18 APPROVED BY DATE JCOMERC I 2010/12/03	TITLE ESP 150 CKTS, 0.093"PCB 0.8MM PITCH 1 POWER BAY		MATERIAL NO. DOCUMENT NO. SEE SHEET 1 SD-170545-1150	

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