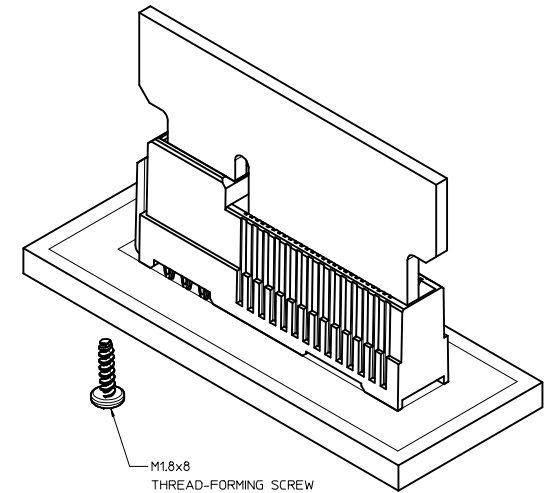
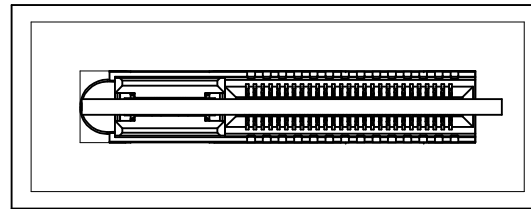
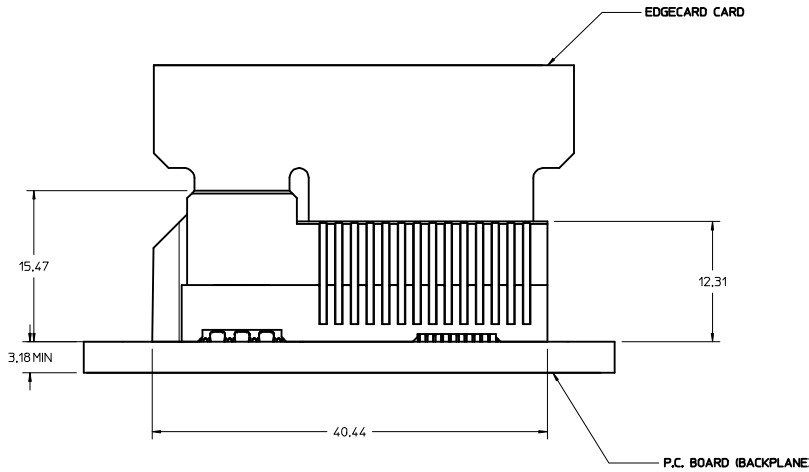


P.C. BOARD MOUNTING



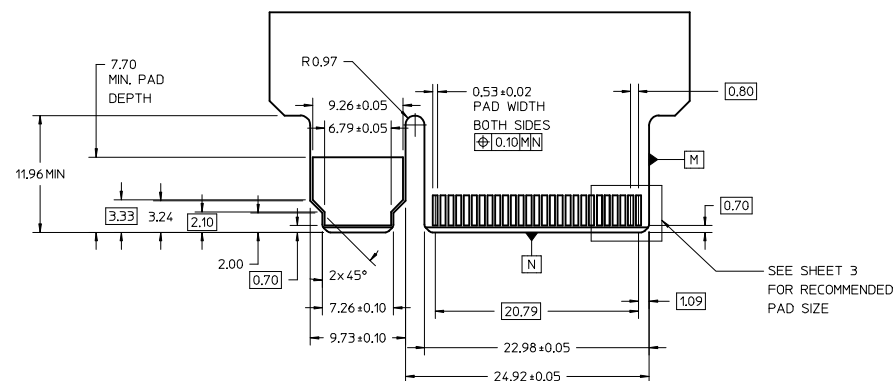
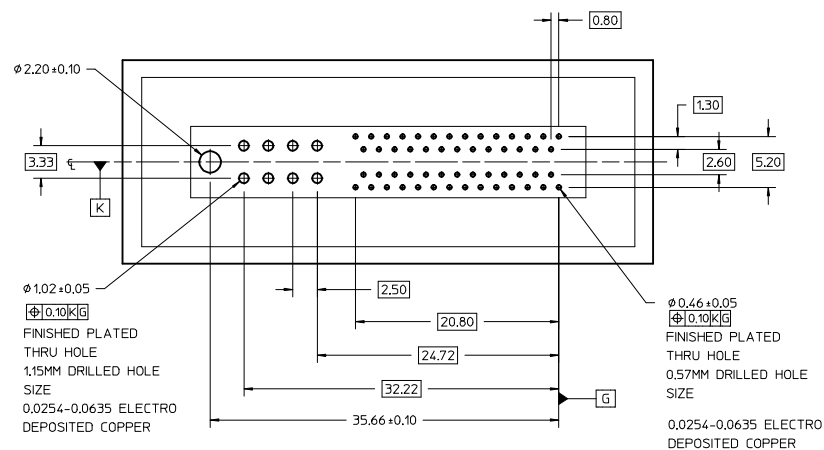
M1.8x8
THREAD-FORMING SCREW
SUGGESTED SOURCE:
ACUMENT
6125 EIGHTEEN MILE ROAD
STERLING HEIGHTS, MICHIGAN 48314
TEL.: 1.800.544.6117
P/N: 3BTP8567-00
(NOT SUPPLIED BY MOLEX)



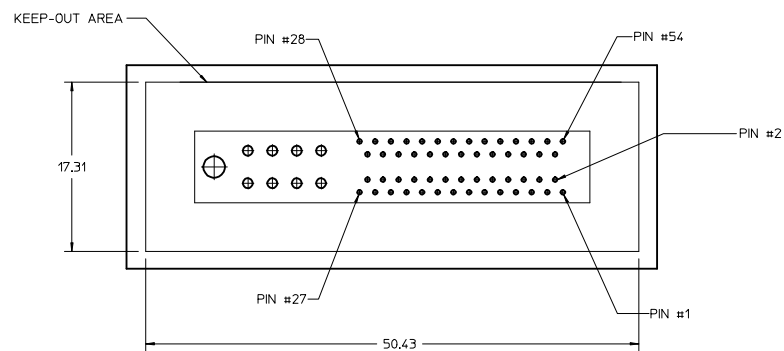
NOTES:

- MATERIAL:
HOUSING - GLASS FILLED THERMOPLASTIC, 94-V0, BLACK
TERMINALS - COPPER ALLOY
- FINISH:
CONTACT AREA: HARD GOLD -0.76 μ m MIN OVER 3.80 μ NICKEL
COMPLIANT AREA: TIN - 0.76/1.52 μ m OVER NICKEL
- REFER TO PS-76861-100 PRODUCT SPECIFICATION FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
- REFER TO PK-76861-900 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
- MAXIMUM SCREW TORQUE FORCE 0.12Nm.

CHANGE PTH TOLERANCE EC NO: UCP2014-1613 DRAWN BY: JDRW/WHIPPLE 2013/11/25 CHECKED BY: CHYK/ADOFF 2013/11/25 APPROVED BY: APPR/SMILLER 2013/12/16 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
					DRAWN BY DROSCA	DATE 8/11/09	TITLE ESP 12.5GB 0.062"PCB/0.8MM PITCH 54 CKTS					
					CHECKED BY JCOMERC I	DATE 8/11/09	molex					
					APPROVED BY JCOMERC I	DATE 8/11/09						
					MATERIAL NO. 76861-1120						DOCUMENT NO. SD-76861-120	SHEET NO. 1 OF 4
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
			ANGULAR ±1/2°		SIZE							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									



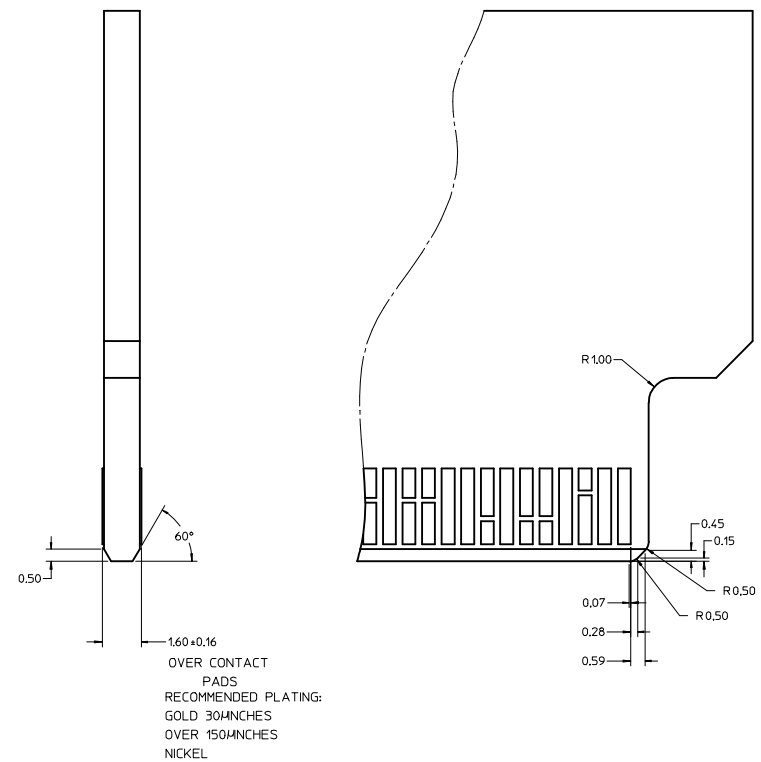
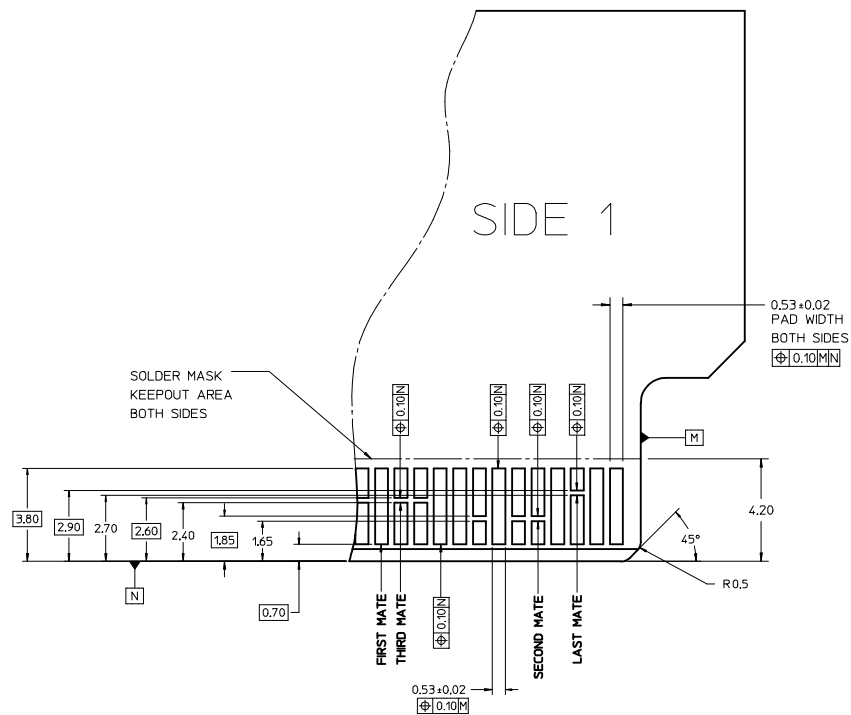
EDGE CARD CARD



MOTHER BOARD HOLE LAYOUT
(COMPONENT SIDE)

SEE SHEET 1 EC NO: UCT2014-163 DRAWING TITLE: CHDK2014-163 APPR: OFFER 2013/11/25 2013/11/25 2013/11/26	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY DROSCA	DATE 8/11/09	TITLE ESP 12.5GB 0.062"PCB/0.8MM PITCH 54 CKTS molex MATERIAL NO. _____ DOCUMENT NO. _____ SEE SHEET 1 SD-76861-120		
		3 PLACES ±	±	CHECKED BY JCOMERC	DATE 8/11/09			
		3 PLACES ±	±	APPROVED BY JCOMERC	DATE 8/11/09			
		1 PLACE ±	±					
			0 PLACE ±	±			SHEET NO. _____ 2 OF 4	
		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						

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 ECN NO.: UC2P2014-143 UPPR APPR: 2013/11/25 CHCKD BY: 2013/11/25 APPR: SELLER 2013/12/16	QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	$\nabla=0$ $\nabla=0$ $\nabla=0$ $\nabla=0$		mm	INCH	DRAWN BY	DATE	TITLE ESP 12.5GB 0.062"PCB/0.8MM PITCH 54 CKTS molex		
		4 PLACES	±----	±----	DROSCA	8/11/09			
		3 PLACES	±----	±----	CHECKED BY	DATE			
		2 PLACES	±0.13	±----	JCOMERC I	8/11/09			
		1 PLACE	±0.25	±----	APPROVED BY	DATE			
	0 PLACE	±----	±----	JCOMERC I	8/11/09	DOCUMENT NO., SD-76861-120			
	ANGULAR ±1/2°		MATERIAL NO.		SHEET NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		3 OF 4				
	NEW	SIZE		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

LEGEND EDGELINE 54 CIRCUITS / 0.062"PCB											
COMPONENT SIDE 1								COMPONENT SIDE 2			
PIN NO.	SIGNAL		ALLEGRO PIN NO.					SIGNAL	PIN NO.		
54	GND		○				○	SIGNAL 1	1		
53	SATA0_TX_P			○			○	SIGNAL 2	2		
52	SATA0_TX_N		○				○	SIGNAL 3	3		
51	GND			○			○	SIGNAL 4	4		
50	SATA0_RX_N		○				○	SIGNAL 5	5		
49	SATA0_RX_P			○			○	SIGNAL 6	6		
48	GND		○				○	PSV_STBY1	7		
47	SATA1_TX_P			○			○	SIGNAL 7	8		
46	SATA1_TX_N		○				○	SIGNAL 8	9		
45	GND			○			○	SIGNAL 9	10		
44	SATA1_RX_N		○				○	SIGNAL 10	11		
43	SATA1_RX_P			○			○	SIGNAL 11	12		
42	GND		○				○	SIGNAL 12	13		
41	SATA2_TX_P			○			○	SIGNAL 13	14		
40	SATA2_TX_N		○				○	SIGNAL 14	15		
39	GND			○			○	PSV_STBY2	16		
38	SATA2_RX_N		○				○	SIGNAL 15	17		
37	SATA2_RX_P			○			○	SIGNAL 16	18		
36	GND		○				○	GND	19		
35	SATA3_TX_P			○			○	SATA3_RX_P	20		
34	SATA3_TX_N		○				○	SATA3_RX_N	21		
33	GND			○			○	GND	22		
32	RESERVE		○				○	RESERVE	23		
31	TBD			○			○	TBD	24		
30	TBD		○				○	TBD	25		
29	TBD			○			○	TBD	26		
28	TBD		○				○	TBD	27		
POWER	LPH POWER, 2 CIRCUIT										RETURN

SEE SHEET 1 EC NO. UCP2014-1613 DRAWN BY: CHYKORWHIPPLE CHECKED BY: CHYKORWHIPPLE APPR. MILLER REV: 1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
4 PLACES ±---		±---	mm	INCH	DRAWN BY DROSCA	DATE 8/11/09	TITLE ESP 12.5GB 0.062"PCB/0.8MM PITCH 54 CKTS molex		
3 PLACES ±---		±---			CHECKED BY JCOMERC I	DATE 8/11/09			
2 PLACES ±0.13		±---			APPROVED BY JCOMERC I	DATE 8/11/09			
1 PLACE ±0.25		±---							
0 PLACE ±---		±---							
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO. 4 OF 4	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-76861-120			

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