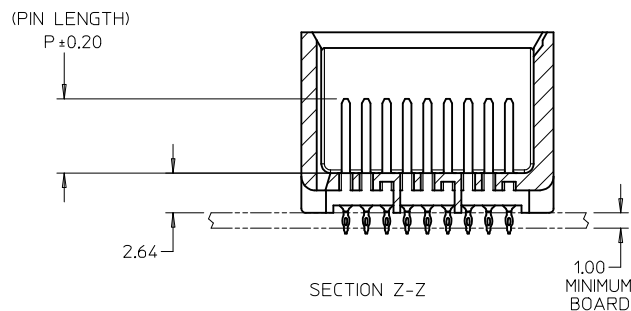
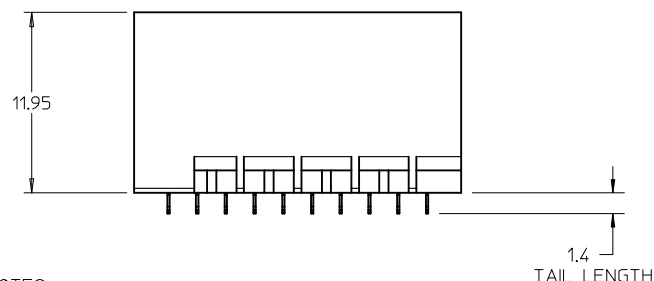
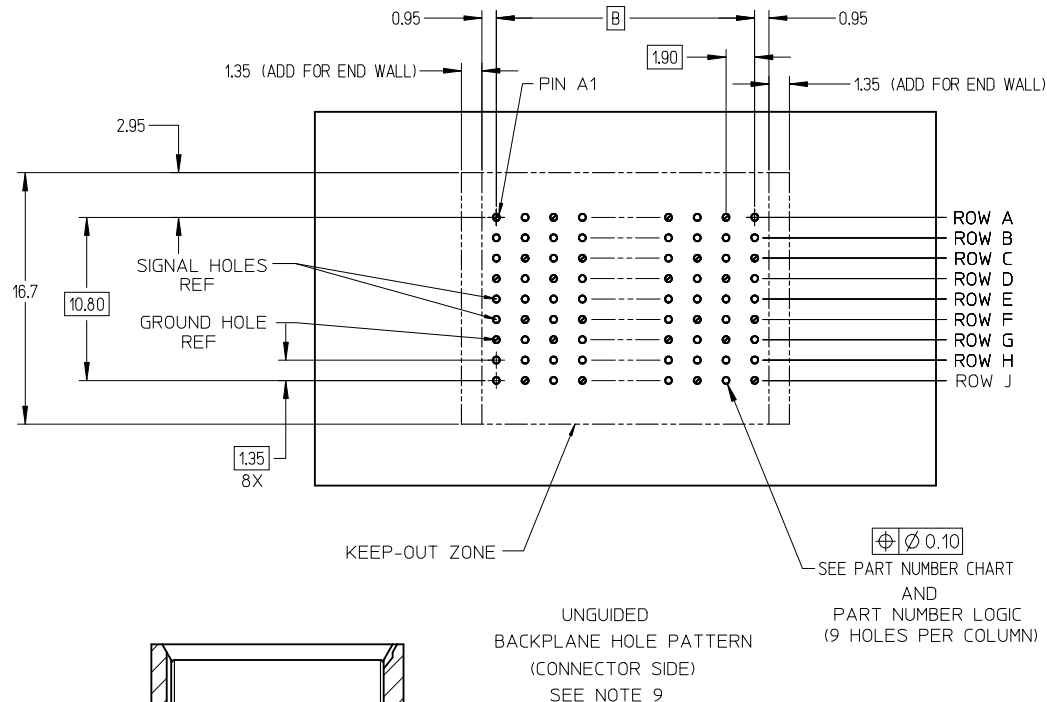
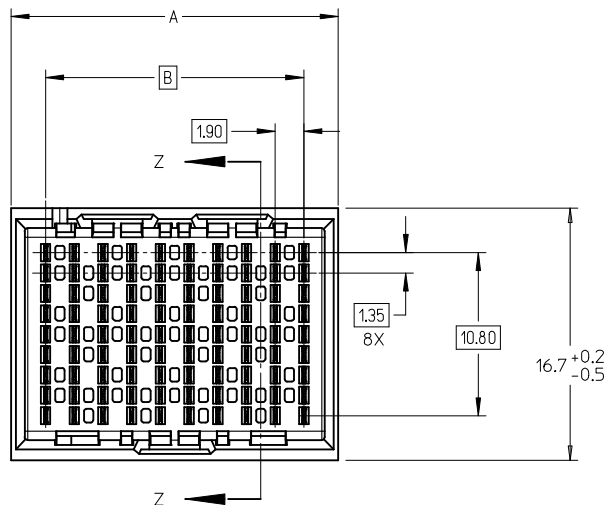


- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
 2. FINISH: 30μ MIN GOLD IN CONTACT AREA.
SELECTIVE TIN ON PCB TAILS.
NICKEL OVERALL.
 3. REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
 4. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
 5. PARTS PACKAGED PER PK-70873-7700.
 6. SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
 7. MATES WITH IMPACT DC SERIES NO. 76170.
 8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
 9. *THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR, WHEN LAYING OUT A PC BOARD FOR CONNECTORS STACKED TOGETHER. USE A 1.9mm PROGRESSION.*

CONVERT TO LEAD-FREE EC NO: UCP2013-2078 DRWN: TIBARRA 2012/11/26 CHKD: BINGHAM 2012/12/18 APPR: SMILLER 2012/12/31	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY MSANDBERG	DATE 2007/06/18	TITLE IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING molex		
			4 PLACES	±---	±---	CHECKED BY JLAURX	DATE 2007/06/18			
			3 PLACES	±---	±---	APPROVED BY JLAURX	DATE 2010/10/15			
			2 PLACES	±0.13	±---	ANGULAR ±1/2°				
REV			1 PLACE	±0.25	±---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NO. SD-76165-001		SHEET NO. 1 OF 3
			0 PLACE	±	±	SEE TABLE				
			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PART NUMBER TABLE

PART NUMBER TABLE					DUAL END WALL OPTION
MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	
76165-*32*	6	18	14.1	9.50	
76165-*82*	8	24	17.9	13.30	
76165-*12*	10	30	21.7	17.10	
76165-*62*	16	48	33.1	28.50	

DUAL END WALL OPTION

DUAL END
WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	LEFT END WALL OPTION
76165- *31*	6	18	12.7	9.50	
76165- *81*	8	24	16.5	13.30	
76165- *11*	10	30	20.3	17.10	
76165- *61*	16	48	31.7	28.50	

LEFT
END WALL
OPTION

LEFT END
WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	RIGHT END WALL OPTION
76165-*33*	6	18	12.7	9.50	
76165-*83*	8	24	16.5	13.30	
76165-*13*	10	30	20.3	17.10	
76165-*63*	16	48	31.7	28.50	

RIGHT
END WALL
OPTION

RIGHT END
WALL OPTION

MATERIAL NUMBER	# OF COLUMNS	# OF DIFF PAIR	DIM "A"	DIM "B"	OPEN WALL OPTION
76165-#30*	6	18	11.3	9.50	
76165-#80*	8	24	15.1	13.30	
76165-#10*	10	30	18.9	17.10	
76165-#60*	16	48	30.4	28.50	

OPEN
WALL
OPTION

OPEN
WALL OPTION

PART NUMBER LOGIC

76165-****

MODULE TYPE —
1 = UNGUIDED, TIN

PIN LENGTH (P)

OF COLUMNS
1 = 10 COL
3 = 6 COL
6 = 16 COL
8 = 8 COL

3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH)
5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH)
7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH)
8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH)

-END WALL OPTIONS
0 = OPEN ENDS
1 = LEFT END WALL
2 = DUAL END WALL
3 = RIGHT END WALL

UCP2013-2078	2012/11/26
TIBARRA	2012/12/10
BINGHAM	2012/12/31

QUALITY SYMBOLS

$$\left| \begin{array}{c} \triangle \\ F_A \end{array} \right| = 0$$
$$\nabla_{\mathbf{c}} F_{\mathbf{c}} = 0$$

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	±	±

ANGULAR $\pm 1/2^\circ$
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
MSANDBERG	2007/06/18
CHECKED BY	DATE
JLAURX	2007/06/18
APPROVED BY	DATE
JLAURX	2010/10/15

MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONT INCORPORATED AND

SCALE
2.5:1

TITLE

DOCUMENT ID: [REDACTED]
CONTAINS INFORMATION THAT SHOULD NOT BE RELEASED TO THE PUBLIC

DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
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IMPACT BP 3 PAIR
UNGUIDED ASSEMBLY
SALES DRAWING

molex

NO.	SHEET NO.
SD-76165-001	2 OF 3

INFORMATION THAT IS PROPRIETARY TO MOLEX
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